

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064412.D
 Acq On : 2 Nov 2020 13:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:41 PM

Quant Time: Nov 03 01:50:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	53740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	294845	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262114	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	132676	27.93	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.10%
60) 4-Bromofluorobenzene	12.37	95	130415	28.36	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.53%
63) Toluene-d8	10.05	98	355309	30.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	17336	4.104 ug/l	93
3) Chloromethane	2.04	50	18144	4.521 ug/l	99
4) Vinyl Chloride	2.16	62	18840	4.774 ug/l	98
5) Bromomethane	2.53	94	13206	5.382 ug/l	96
6) Chloroethane	2.68	64	10567	4.747 ug/l	99
7) Trichlorofluoromethane	2.98	101	32014	5.192 ug/l	99
8) Diethyl Ether	3.37	74	9865	5.083 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	16641	5.297 ug/l	79
10) 1,1-Dichloroethene	3.70	96	15486	5.180 ug/l	97
11) Methyl Iodide	3.90	142	17522	4.130 ug/l	96
12) Methyl Acetate	4.28	43	14946	4.266 ug/l #	84
13) Acrolein	3.57	56	4565m	17.706 ug/l	
14) Acrylonitrile	4.93	53	31083	20.287 ug/l	98
15) Acetone	3.77	58	11127m	24.180 ug/l	
16) Carbon Disulfide	4.01	76	42289	4.759 ug/l #	95
17) Allyl chloride	4.28	41	25716	4.550 ug/l	80
18) Methylene Chloride	4.51	84	18282	5.338 ug/l	97
19) trans-1,2-Dichloroethene	4.98	96	16556	5.030 ug/l #	85
20) Diisopropyl ether	5.90	45	51260	4.451 ug/l #	88
21) 1,1-Dichloroethane	5.79	63	32448	5.024 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	19971	5.270 ug/l	99
23) tert-Butyl Alcohol	4.72	59	11757	17.164 ug/l #	100
24) Methyl tert-Butyl Ether	4.98	73	52577	4.688 ug/l #	91
25) Chloroform	7.32	83	34753	5.185 ug/l	92
26) Cyclohexane	7.61	56	24214	4.610 ug/l #	99
29) 1,1-Dichloropropene	7.75	75	23296	4.661 ug/l	96
30) 2-Butanone	6.78	43	47862	20.192 ug/l #	74
31) 2,2-Dichloropropane	6.77	77	30632	5.081 ug/l #	59
32) 1,1,1-Trichloroethane	7.53	97	32409	5.119 ug/l	97
33) Carbon Tetrachloride	7.73	117	28144	4.868 ug/l #	92
34) Benzene	8.00	78	68557	5.049 ug/l #	75
35) Methacrylonitrile	7.14	41	12590m	5.221 ug/l	
36) 1,2-Dichloroethane	8.08	62	30381	5.102 ug/l	99
37) Trichloroethene	8.80	130	19705	5.304 ug/l	99
38) Methylcyclohexane	9.05	83	21250	4.416 ug/l	92
39) 1,2-Dichloropropane	9.08	63	17111	4.746 ug/l	96
40) Dibromomethane	9.17	93	12833	5.059 ug/l	94

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:41 PM

Quant Time: Nov 03 01:50:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	26447	4.835	ug/l	98
42) Vinyl Acetate	5.84	43	212727m	21.332	ug/l	
43) Ethyl Acetate	6.87	43	20707m	4.461	ug/l	
44) Isopropyl Acetate	8.12	43	34022	3.932	ug/l #	80
45) 1,4-Dioxane	9.16	88	4775	72.738	ug/l	96
46) Methyl methacrylate	9.16	41	16325	3.873	ug/l	94
47) n-amyl Acetate	12.05	43	24412	3.351	ug/l #	80
48) t-1,3-Dichloropropene	10.35	75	28997	4.776	ug/l	99
49) cis-1,3-Dichloropropene	9.80	75	29652	4.734	ug/l	95
50) 1,1,2-Trichloroethane	10.52	97	16761	4.942	ug/l	97
51) Ethyl methacrylate	10.40	69	21323	4.097	ug/l	91
52) 1,3-Dichloropropane	10.68	76	26443	4.455	ug/l	98
53) Dibromochloromethane	10.87	129	19727	4.770	ug/l	97
54) 1,2-Dibromoethane	10.98	107	17880	4.939	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	72432	27.813	ug/l	98
56) Bromoform	12.10	173	12994	4.439	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	101276	21.574	ug/l	99
59) 2-Hexanone	10.72	43	69205	19.575	ug/l	98
61) Tetrachloroethene	10.60	164	18994	5.414	ug/l	96
62) Toluene	10.12	91	78946	5.454	ug/l	100
64) Chlorobenzene	11.40	112	47914	5.302	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	17025	4.775	ug/l	95
66) Ethyl Benzene	11.48	91	82030	5.009	ug/l	98
67) m/p-Xylenes	11.59	106	59165	9.755	ug/l	99
68) o-Xylene	11.92	106	29337	4.928	ug/l	97
69) Styrene	11.94	104	45132	4.583	ug/l	98
70) Isopropylbenzene	12.22	105	76106	4.857	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	20173	4.560	ug/l	98
72) 1,2,3-Trichloropropane	12.52	75	21743m	4.748	ug/l	
73) Bromobenzene	12.50	156	18415	4.736	ug/l	92
74) n-propylbenzene	12.56	91	77053	4.343	ug/l	97
75) 2-Chlorotoluene	12.64	91	49902	4.529	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	60254	4.578	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	5962	3.466	ug/l	88
78) 4-Chlorotoluene	12.75	91	49897	4.339	ug/l	98
79) tert-butylbenzene	12.96	119	46435	4.270	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	60764	4.570	ug/l	99
81) sec-Butylbenzene	13.14	105	59815	4.270	ug/l	96
82) p-Isopropyltoluene	13.26	119	52449	4.085	ug/l	100
83) 1,3-Dichlorobenzene	13.25	146	31106	4.635	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	31228	4.622	ug/l	96
85) n-Butylbenzene	13.59	91	38218	3.442	ug/l	95
86) Hexachloroethane	13.85	117	9419	3.959	ug/l	93
87) 1,2-Dichlorobenzene	13.63	146	28294	4.279	ug/l	90
88) 1,2-Dibromo-3-Chloropropan	14.24	75	3621	3.335	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.88	180	11411	3.125	ug/l	93
90) Hexachlorobutadiene	14.98	225	8456	4.295	ug/l	91
91) Naphthalene	15.10	128	32008	2.963	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	12743	3.644	ug/l	92

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

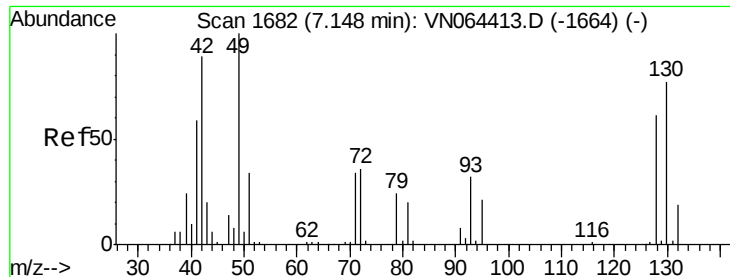
Manual Integrations
APPROVED

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11/3/2020 2:20:41 PM

Quant Time: Nov 03 01:50:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
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QLast Update : Mon Nov 02 15:04:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 53740

Ion Ratio Lower Upper

128 100

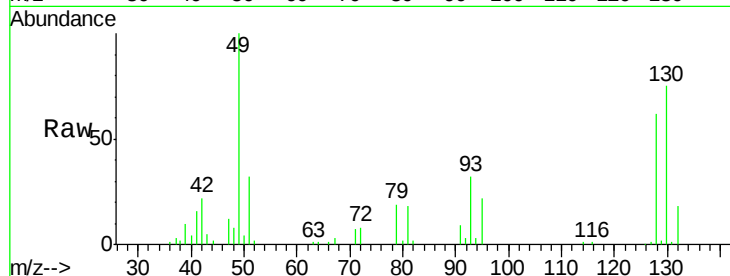
49 166.2 0.0 423.5

130 125.1 0.0 325.0

Manual Integrations
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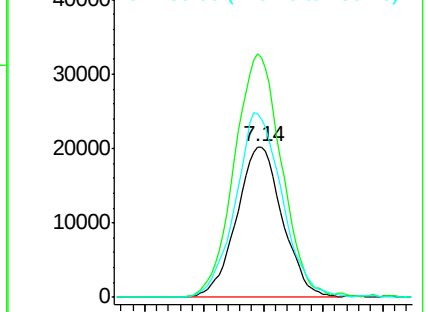
11/3/2020 2:20:41 PM



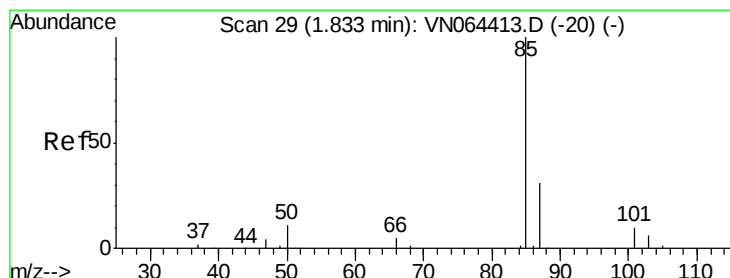
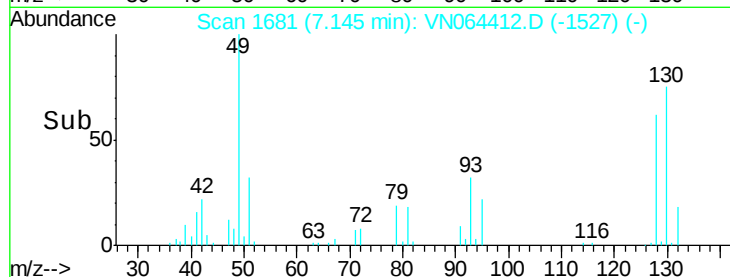
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 4.104 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064412.D

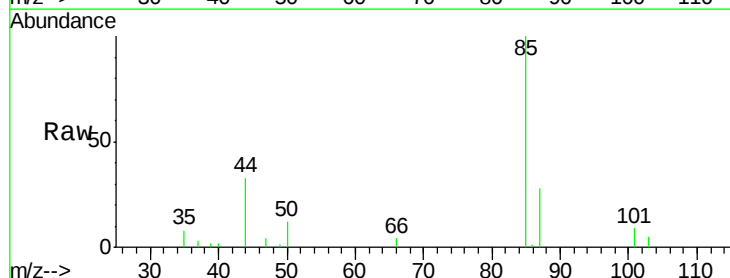
Acq: 2 Nov 2020 13:50

Tgt Ion: 85 Resp: 17336

Ion Ratio Lower Upper

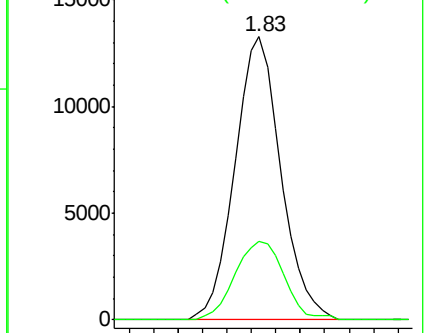
85 100

87 27.5 15.7 47.1

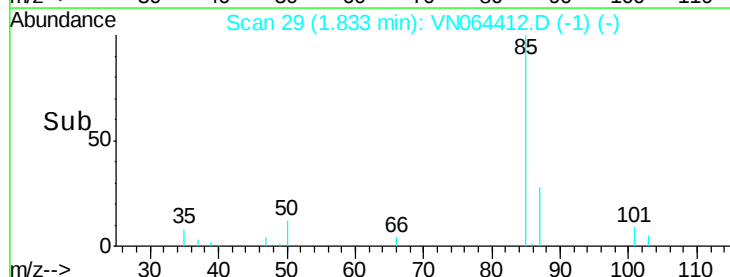


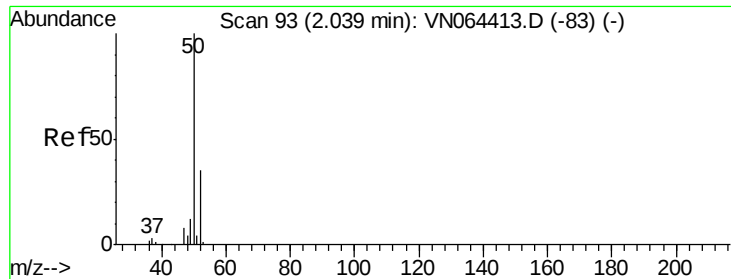
Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 4.521 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18144

Ion Ratio Lower Upper

50 100

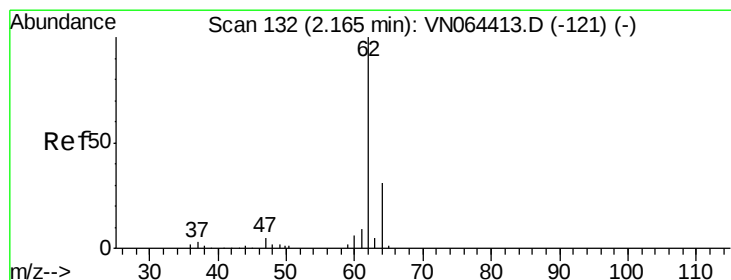
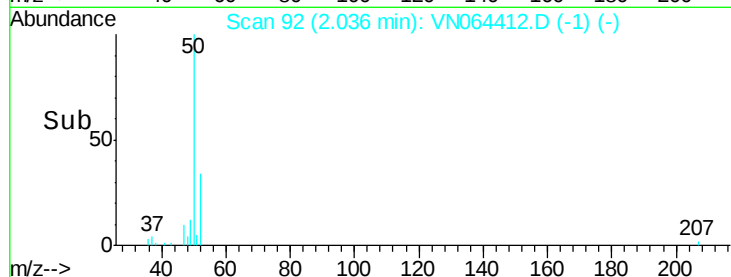
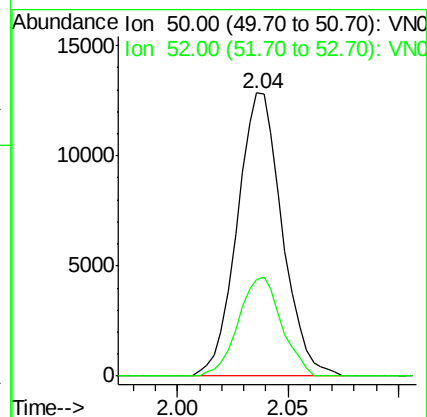
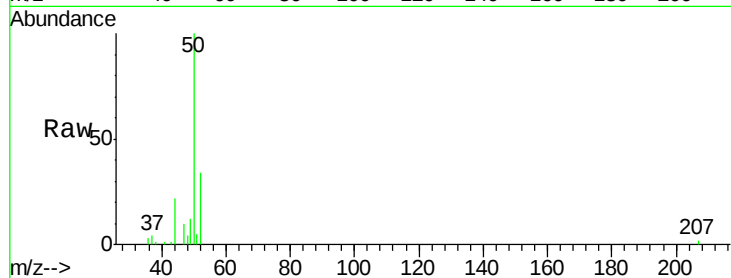
52 34.1 27.7 41.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.774 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064412.D

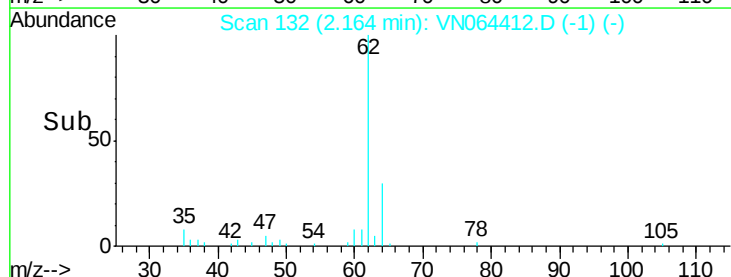
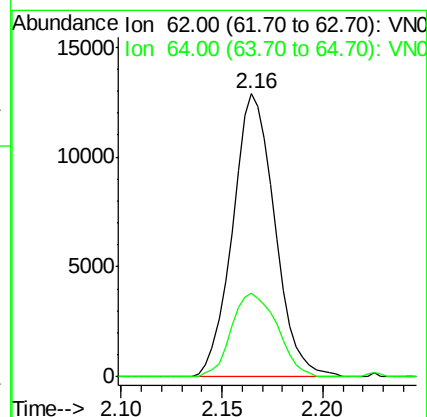
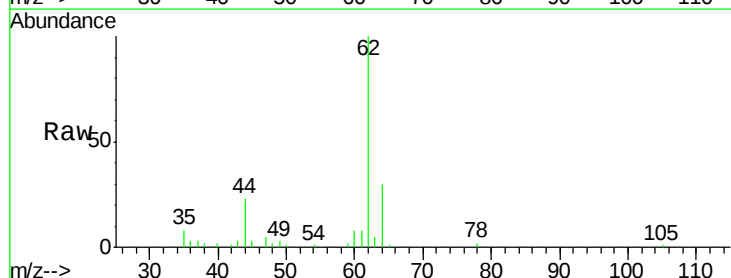
Acq: 2 Nov 2020 13:50

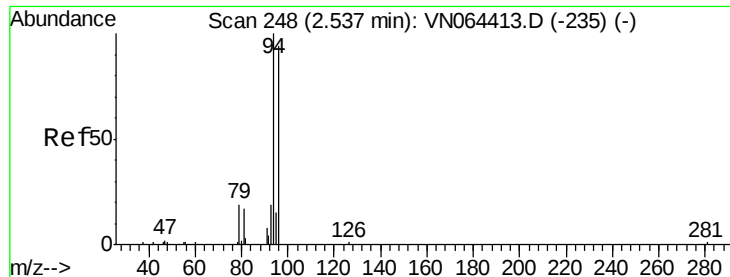
Tgt Ion: 62 Resp: 18840

Ion Ratio Lower Upper

62 100

64 29.6 24.5 36.7





#5

Bromomethane

Concen: 5.382 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13206

Ion Ratio Lower Upper

94 100

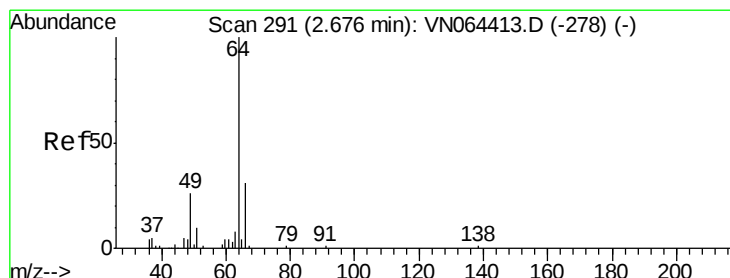
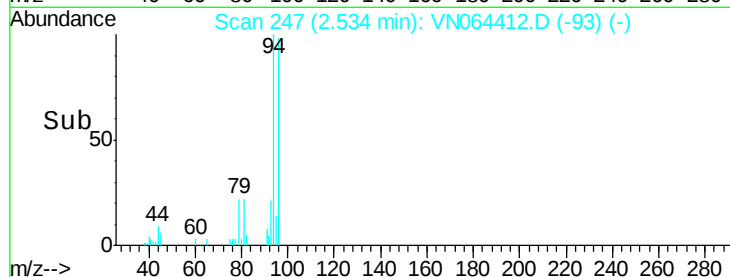
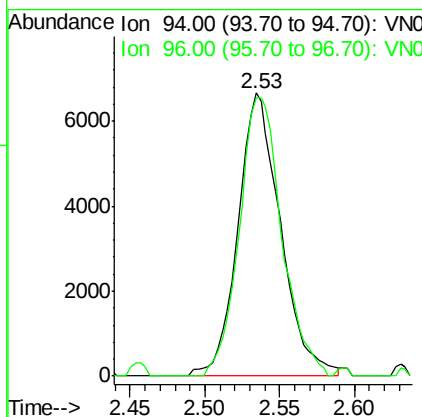
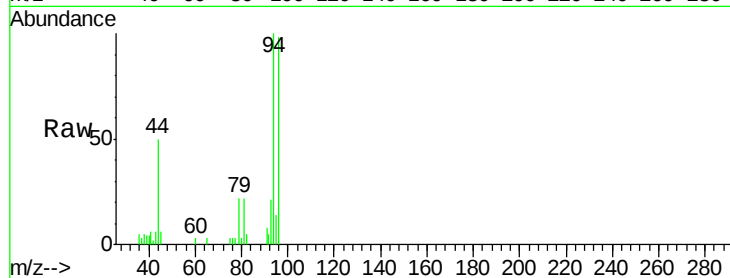
96 98.2 75.2 112.8

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 4.747 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064412.D

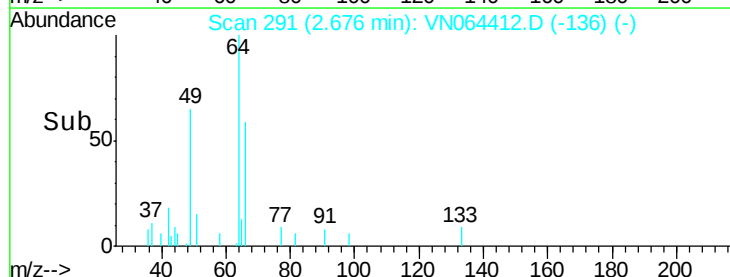
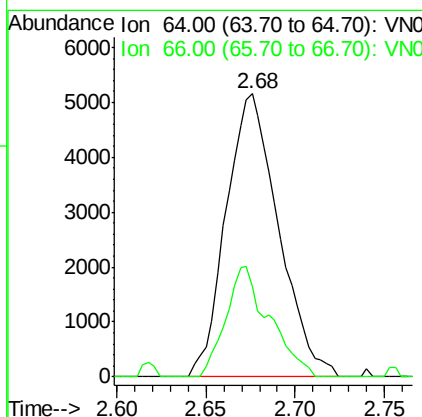
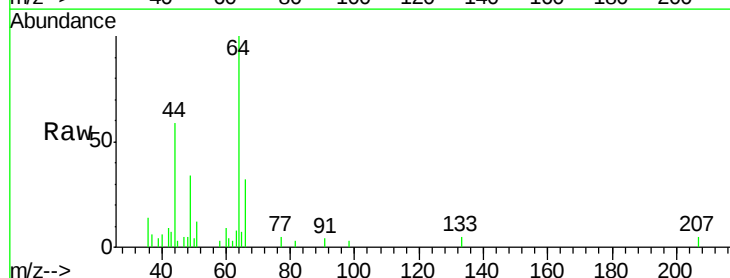
Acq: 2 Nov 2020 13:50

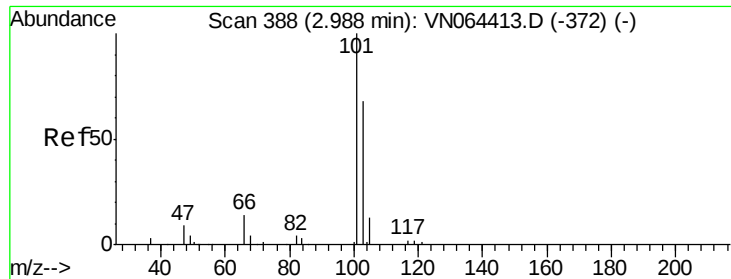
Tgt Ion: 64 Resp: 10567

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.4





#7

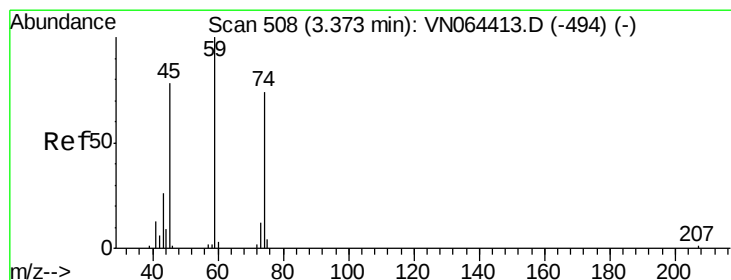
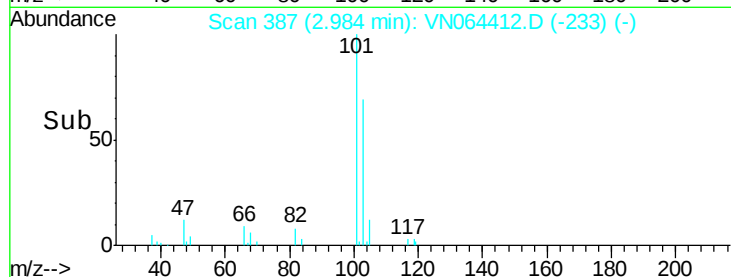
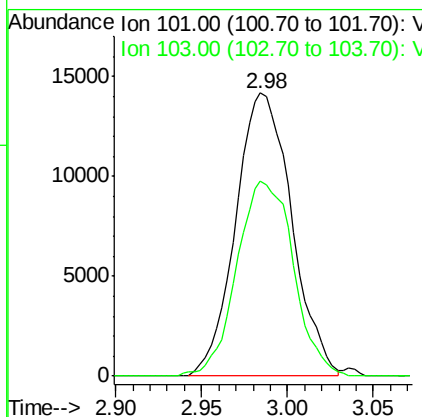
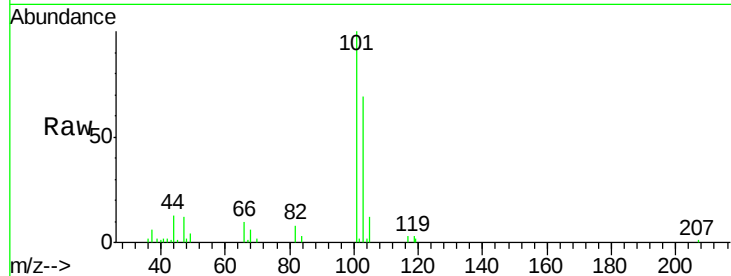
Trichlorofluoromethane
 Concen: 5.192 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	54.6	81.8

Manual Integrations
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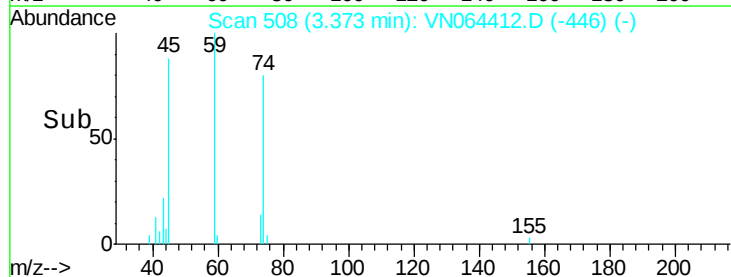
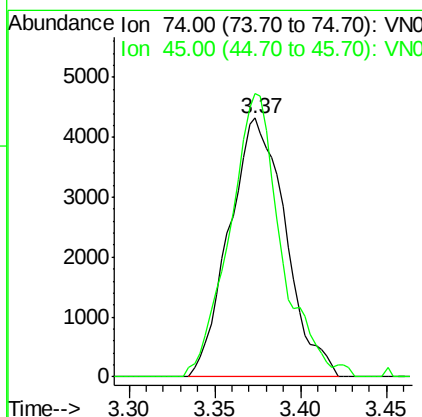
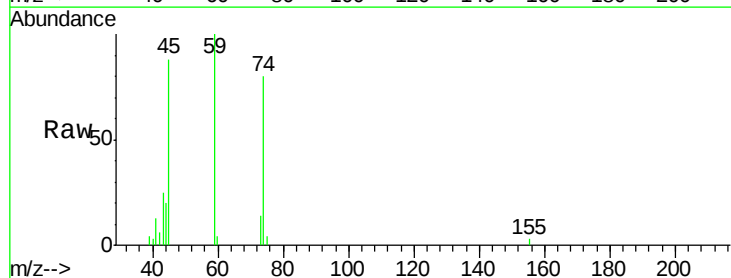
MMDadoda
 11/3/2020 2:20:41 PM

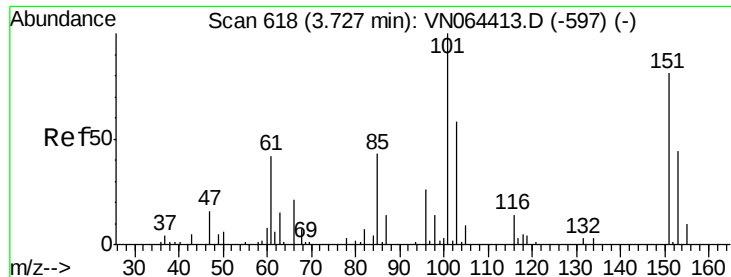


#8

Diethyl Ether
 Concen: 5.083 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	21.2	190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.297 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

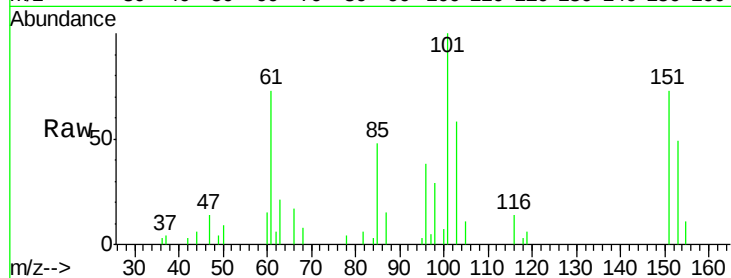
ClientSampleId :

VSTDIC005

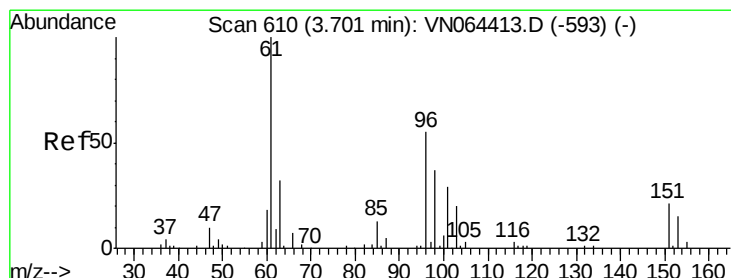
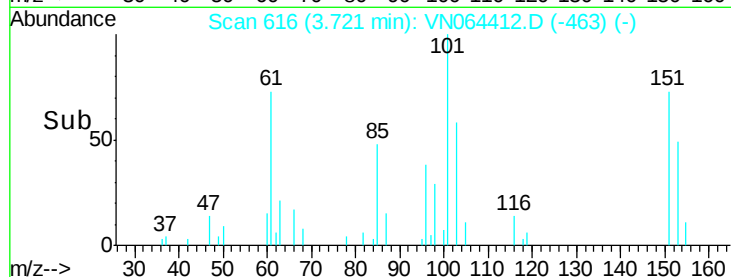
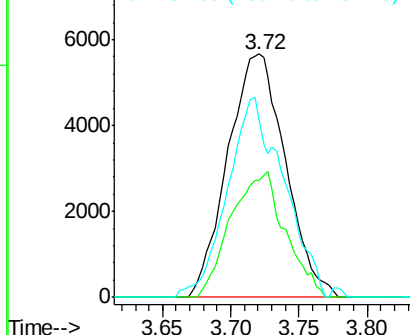
Tot Ion:	101	Resp:	16641
Ion Ratio	Lower	Upper	
101	100		
85	48.6	0.0	89.6
151	53.6	0.0	158.8

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.180 ug/l

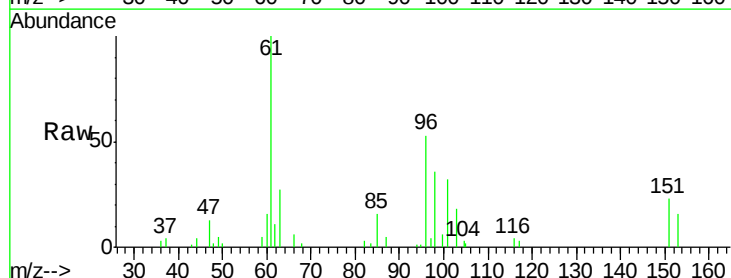
RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

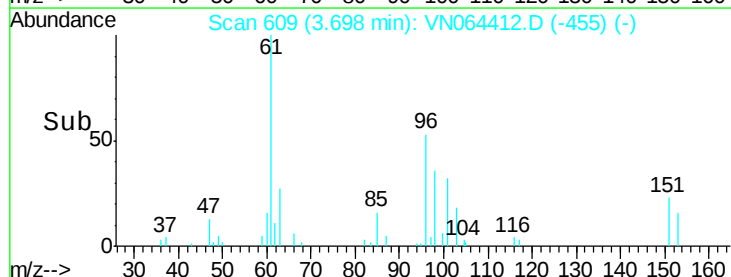
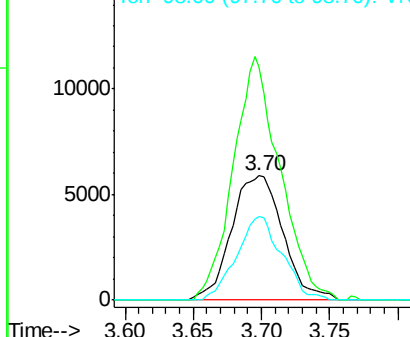
Lab File: VN064412.D

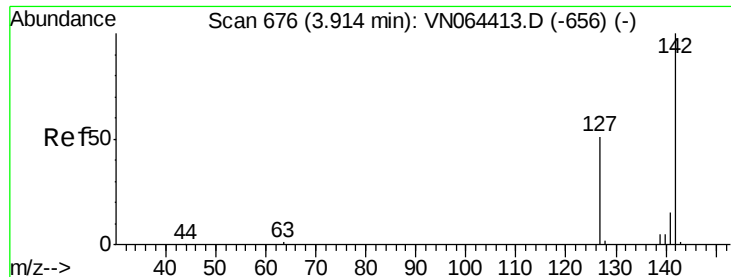
Acq: 2 Nov 2020 13:50

Tgt Ion:	96	Resp:	15486
Ion Ratio	Lower	Upper	
96	100		
61	187.3	145.6	218.4
98	66.9	53.9	80.9



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





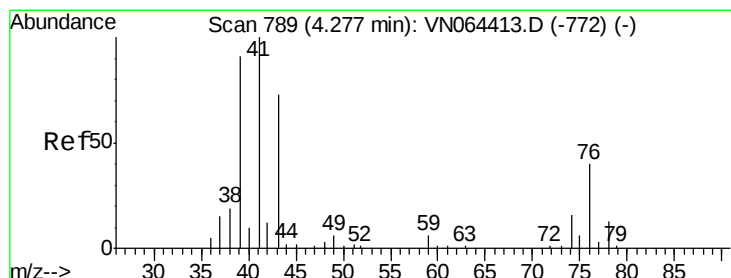
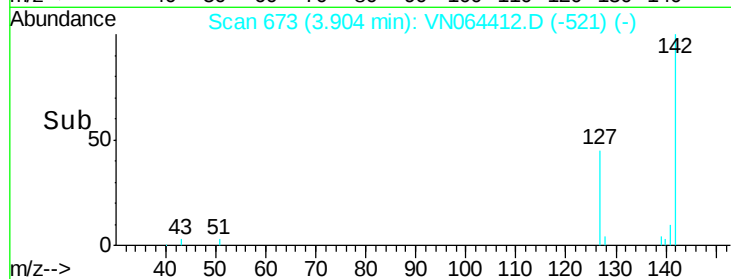
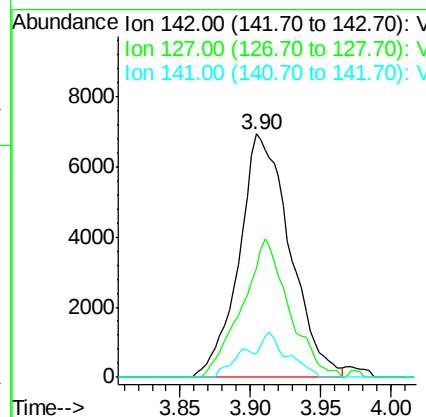
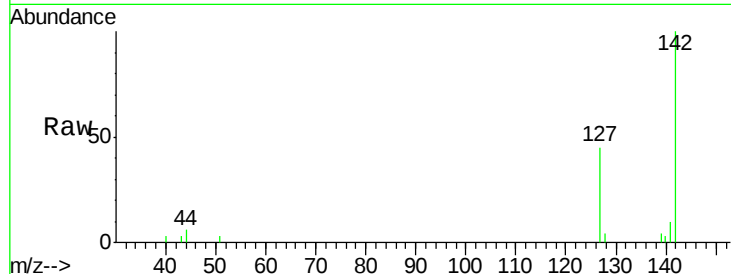
#11
Methyl Iodide
Concen: 4.130 ug/l
RT: 3.90 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	50.1	25.4	76.2
141	10.0	7.8	23.3

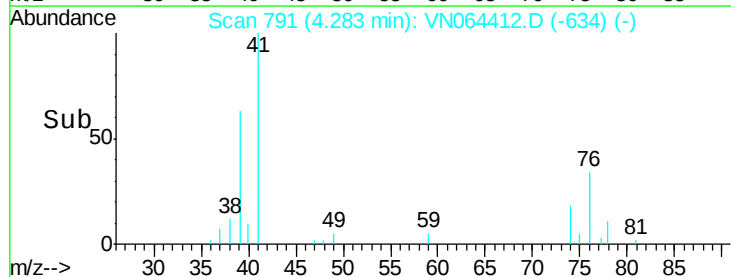
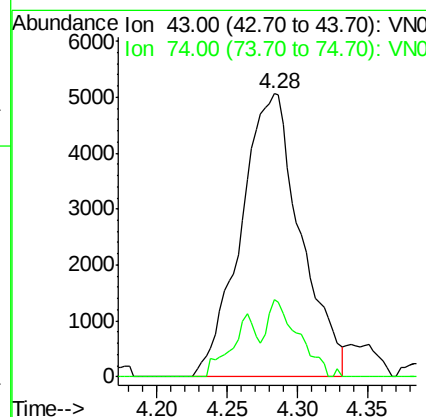
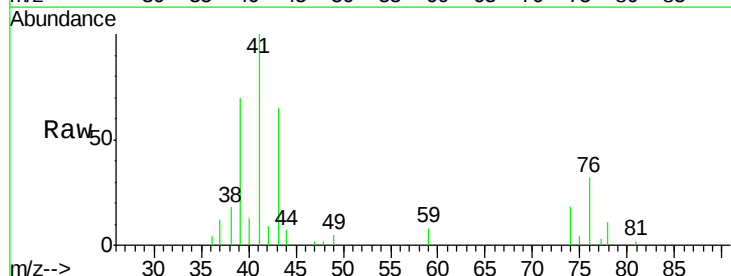
Manual Integrations
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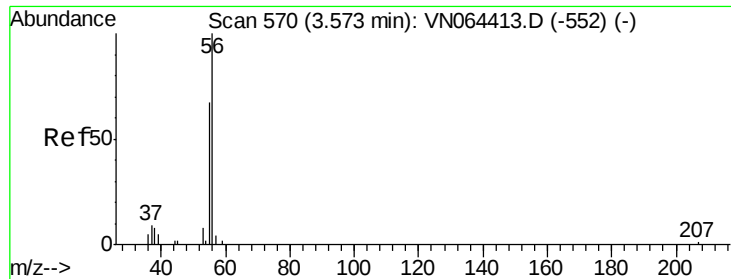
MMDadoda
11/3/2020 2:20:41 PM



#12
Methyl Acetate
Concen: 4.266 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.8	17.1	25.7#





#13

Acrolein

Concen: 17.706 ug/l m

RT: 3.57 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4565

Ion Ratio Lower Upper

56 100

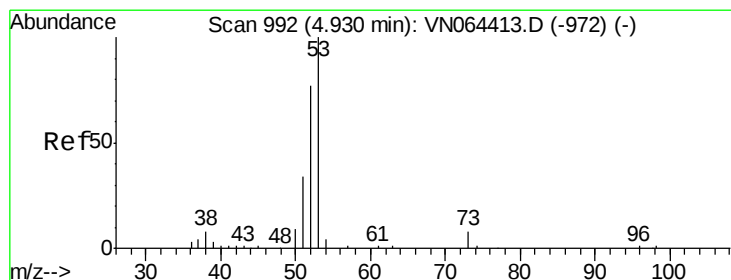
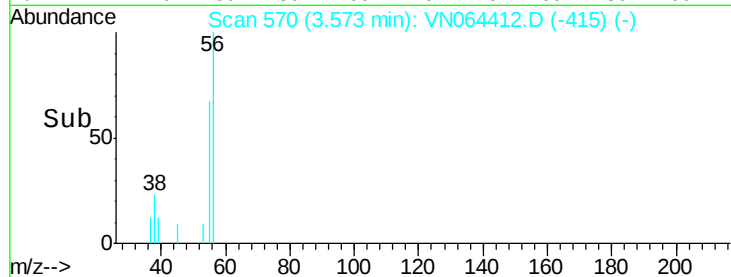
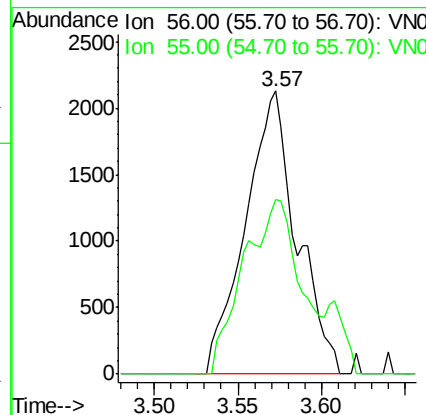
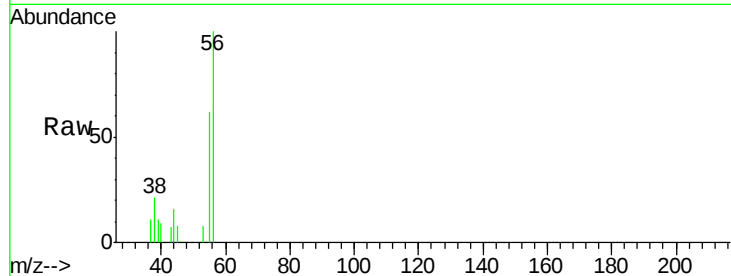
55 42.9 52.5 78.7#

Manual Integrations

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#14

Acrylonitrile

Concen: 20.287 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

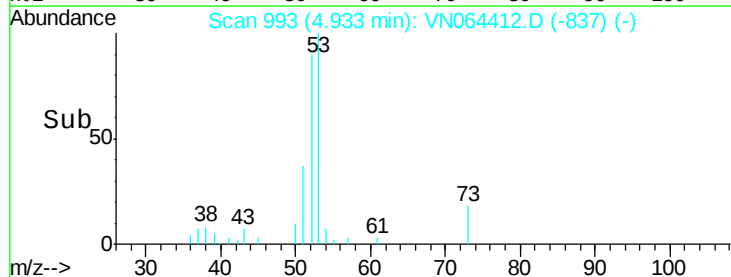
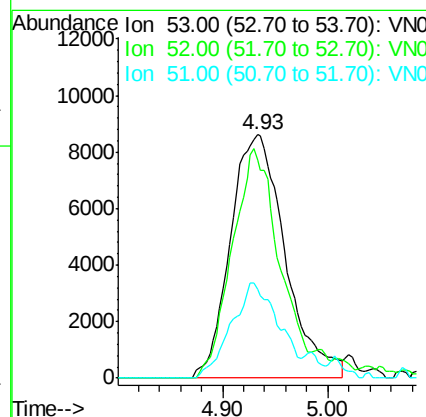
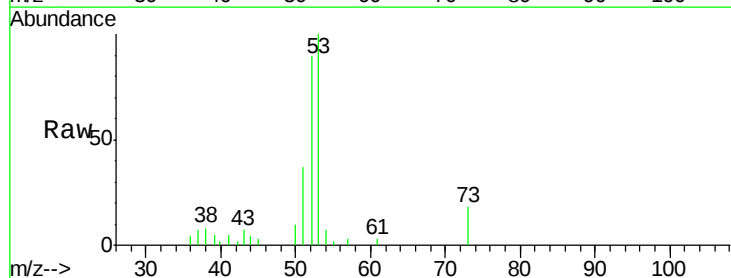
Tgt Ion: 53 Resp: 31083

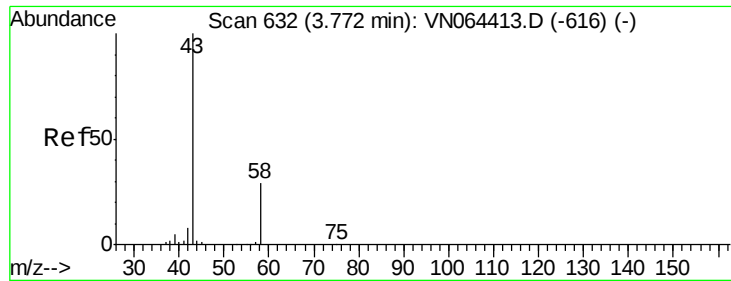
Ion Ratio Lower Upper

53 100

52 80.2 41.1 123.3

51 33.8 17.8 53.3





#15

Acetone

Concen: 24.180 ug/l m

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 11127

Ion Ratio Lower Upper

58 100

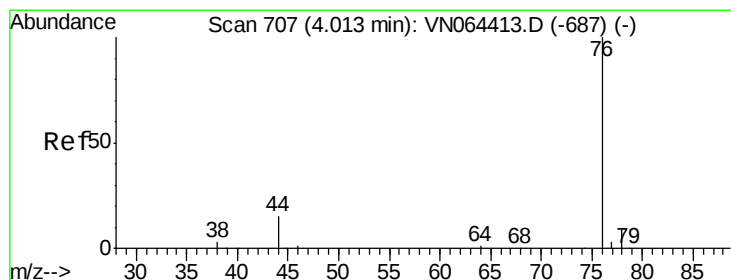
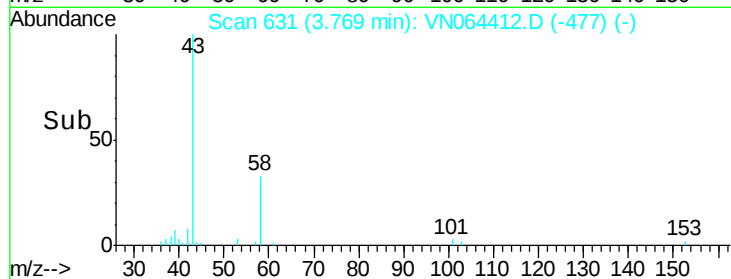
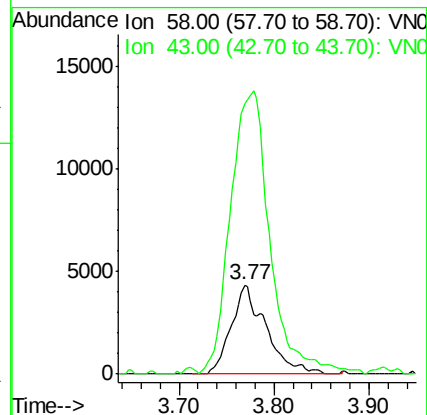
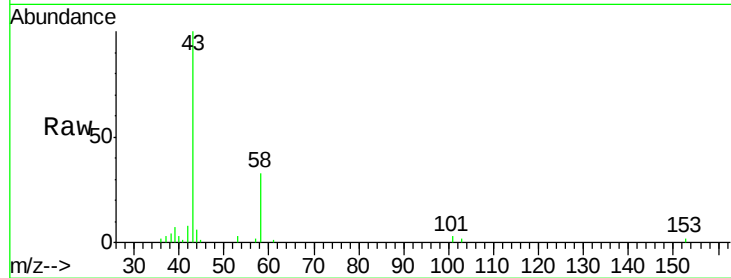
43 302.3 276.1 414.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 4.759 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064412.D

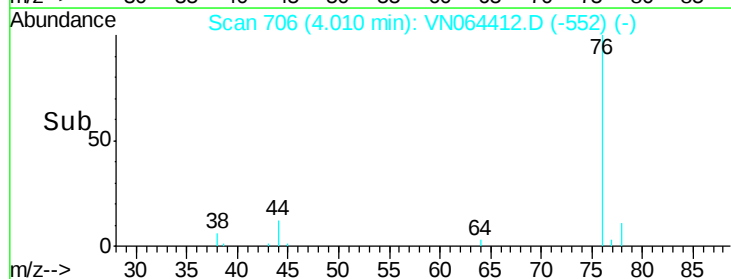
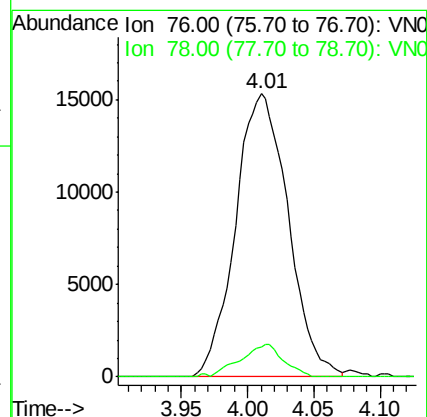
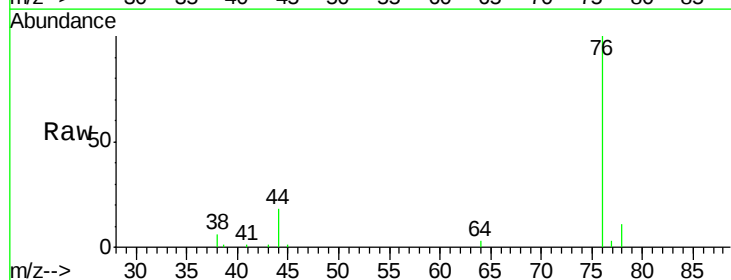
Acq: 2 Nov 2020 13:50

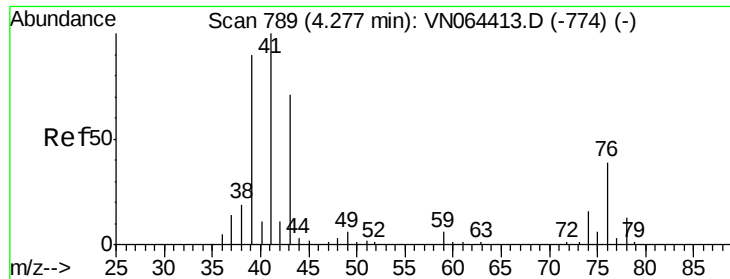
Tgt Ion: 76 Resp: 42289

Ion Ratio Lower Upper

76 100

78 10.8 7.0 10.6#





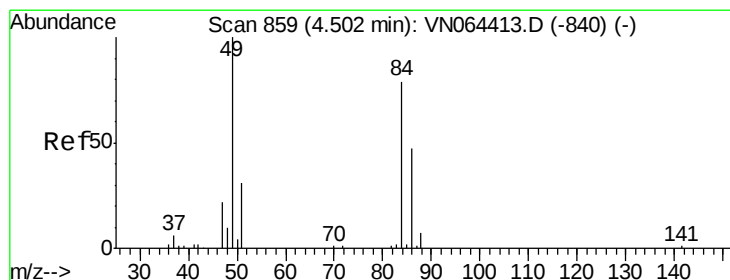
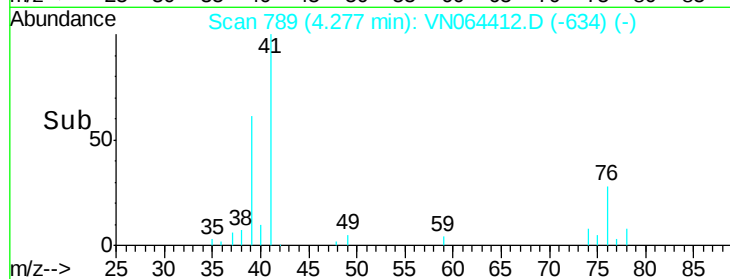
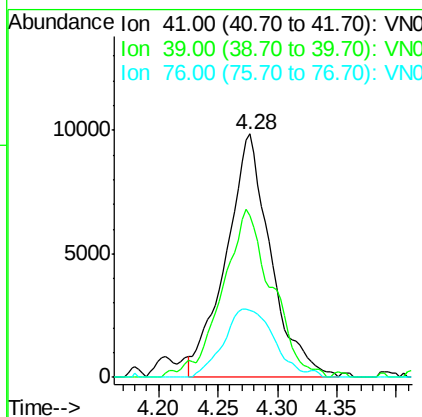
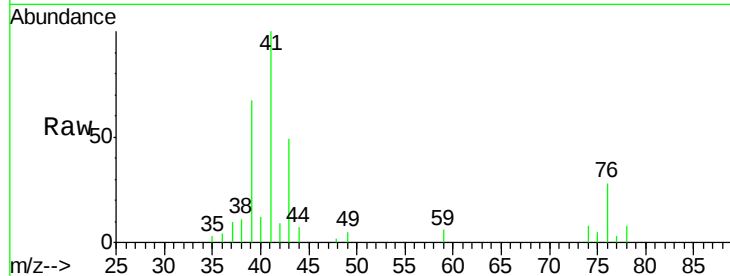
#17
Allvl chloride
Concen: 4.550 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	25716
Ion	Ratio	Lower	Upper
41	100		
39	64.4	42.3	126.8
76	27.6	18.6	55.8

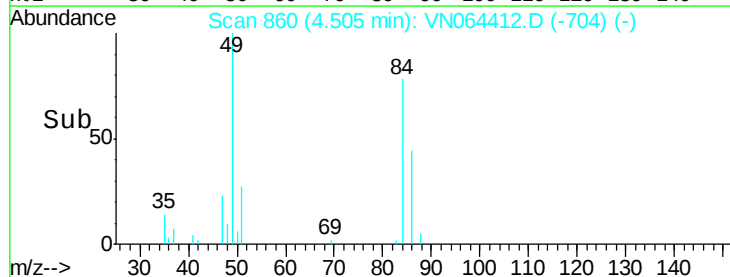
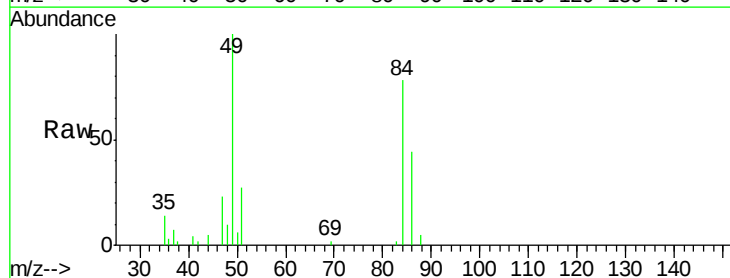
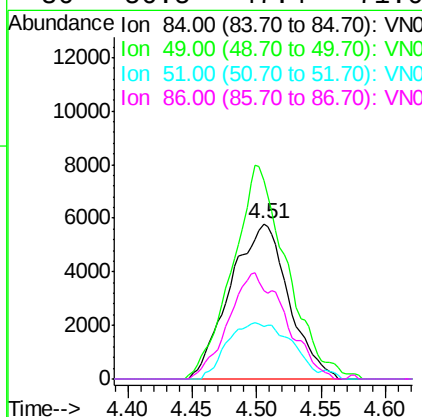
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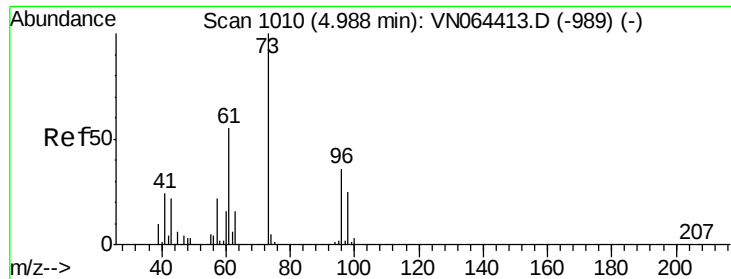
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#18
Methylene Chloride
Concen: 5.338 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion:	84	Resp:	18282
Ion	Ratio	Lower	Upper
84	100		
49	124.7	101.0	151.4
51	34.0	31.2	46.8
86	56.5	47.4	71.0





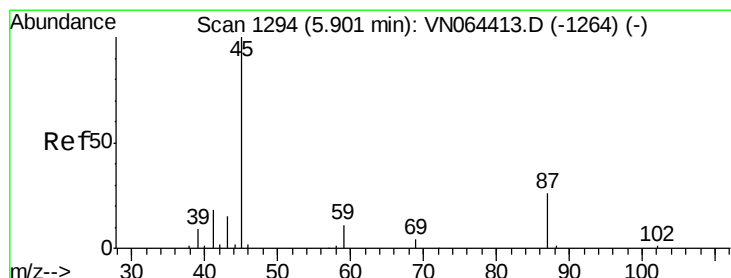
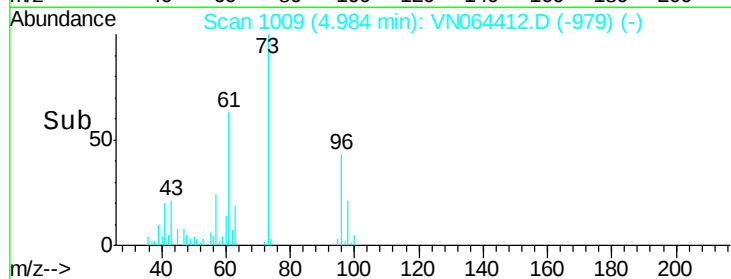
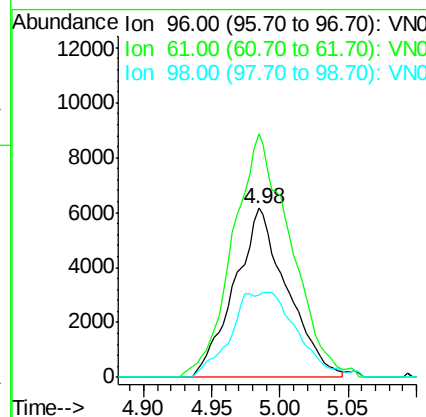
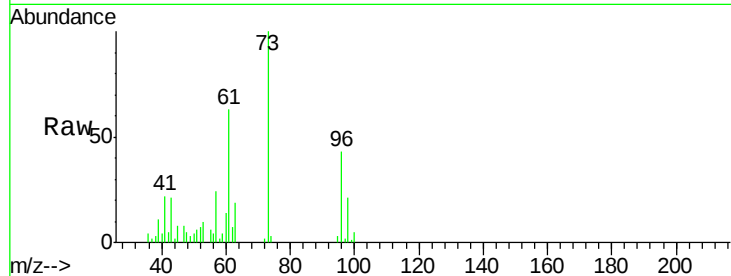
#19
trans-1,2-Dichloroethene
Concen: 5.030 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	121.4	182.0
98	49.0	55.5	83.3#

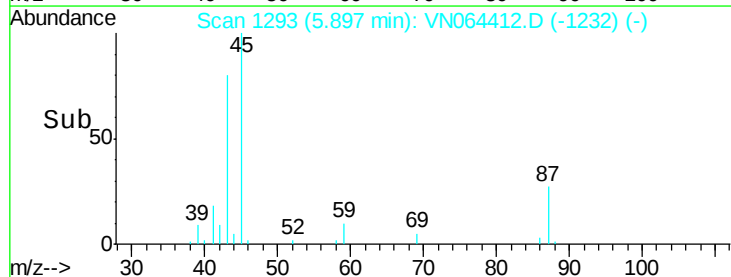
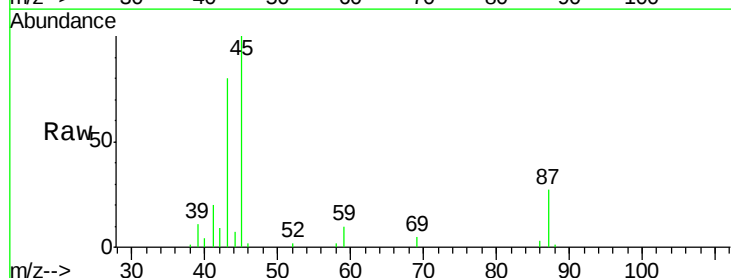
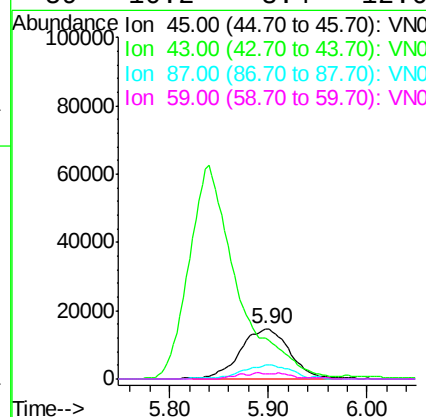
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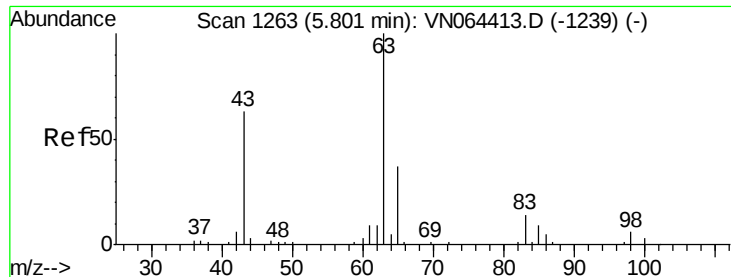
MMDadoda
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#20
Diisopropyl ether
Concen: 4.451 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.0	49.6	74.4#
87	27.5	21.0	31.6
59	10.2	8.4	12.6





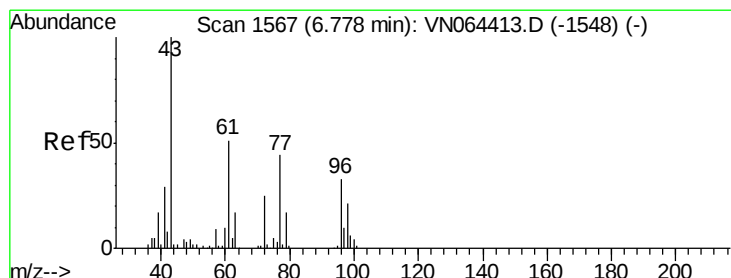
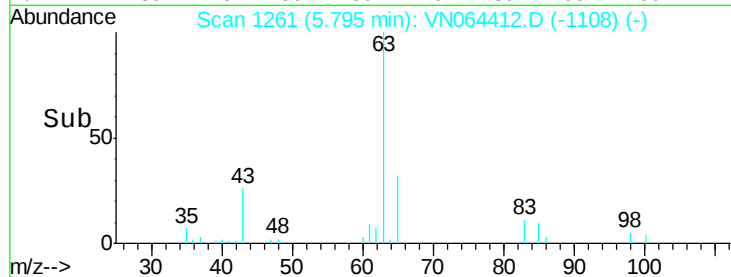
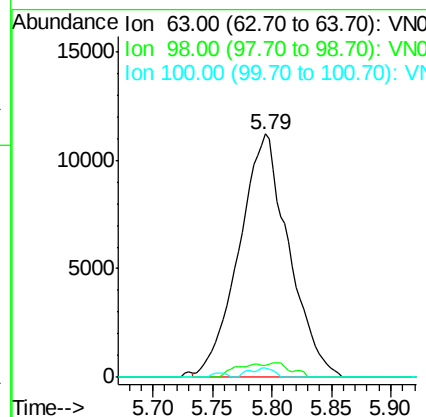
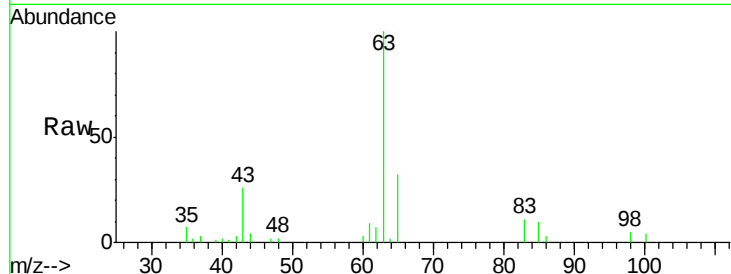
#21
 1,1-Dichloroethane
 Concen: 5.024 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.9	8.8
100	3.8	1.5	4.5

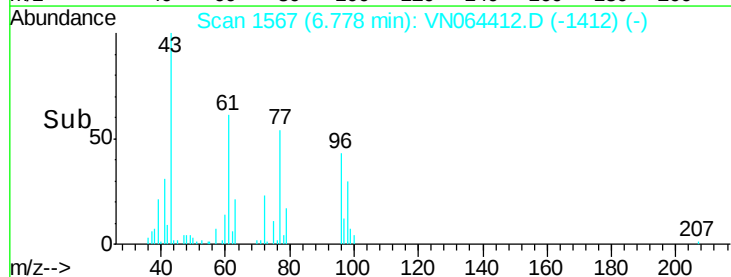
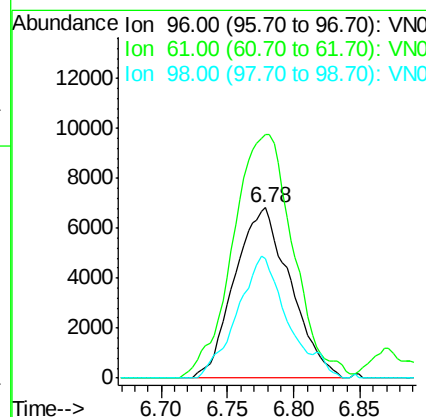
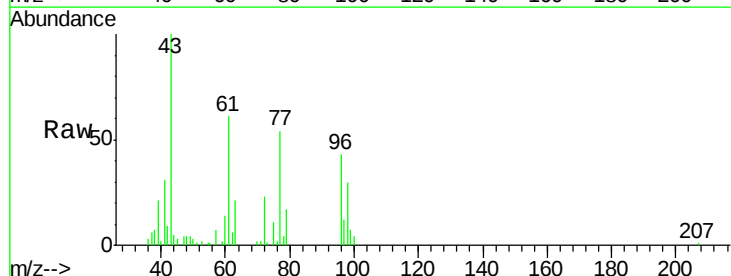
Manual Integrations
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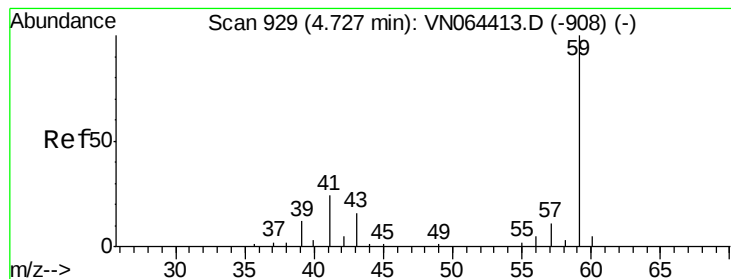
MMDadoda
 11/3/2020 2:20:41 PM



#22
 cis-1,2-Dichloroethene
 Concen: 5.270 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	122.3	183.5
98	61.4	49.6	74.4





#23

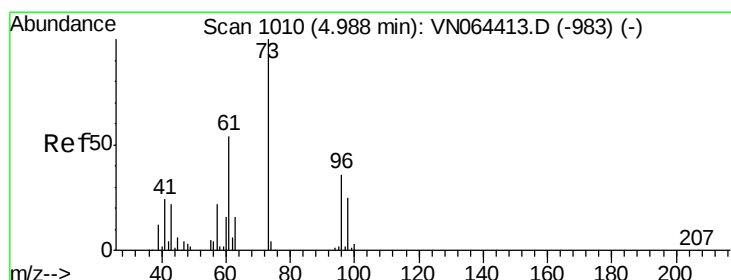
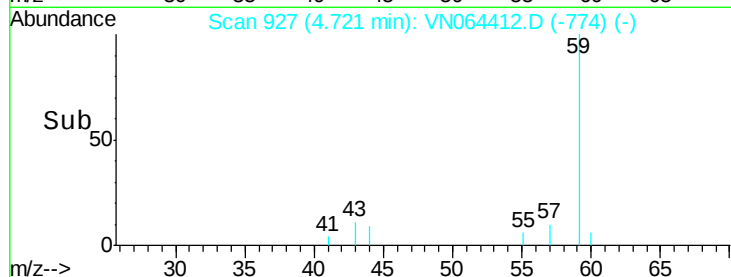
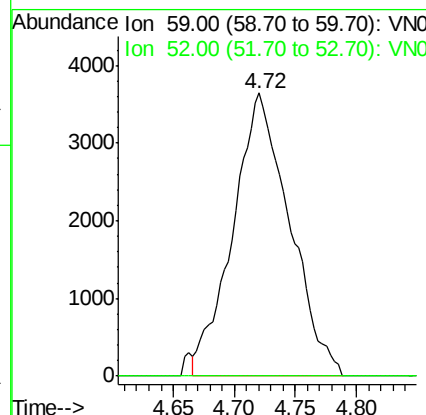
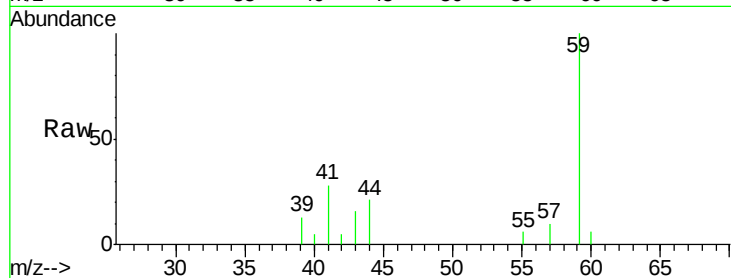
tert-Butyl Alcohol
 Concen: 17.164 ug/l
 RT: 4.72 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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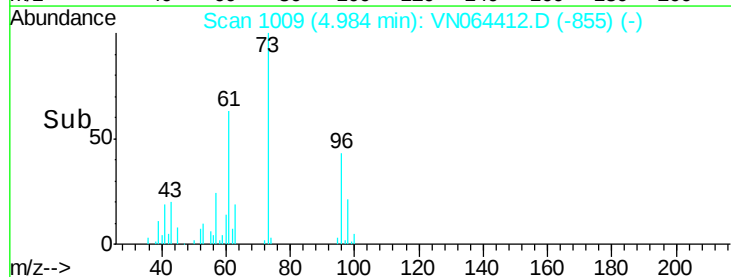
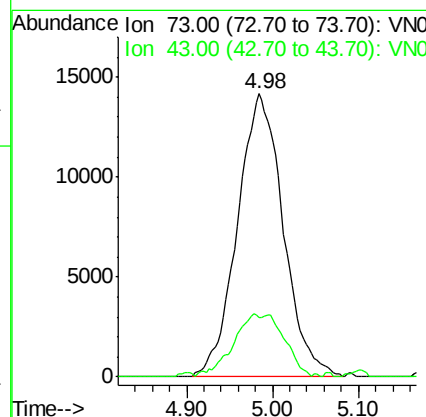
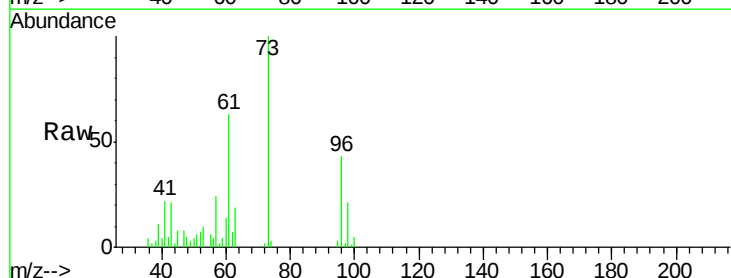
MMDadoda
 11/3/2020 2:20:41 PM

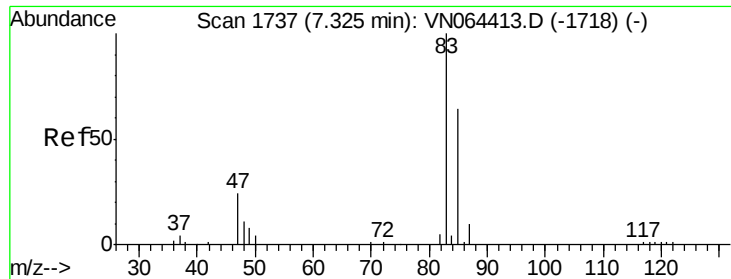


#24

Methyl tert-Butyl Ether
 Concen: 4.688 ug/l
 RT: 4.98 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
73	100		
43	11.8	6.8	10.2#





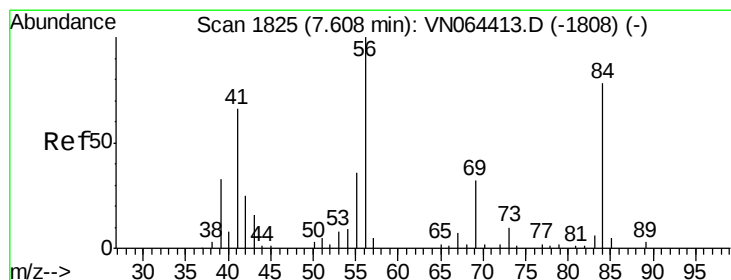
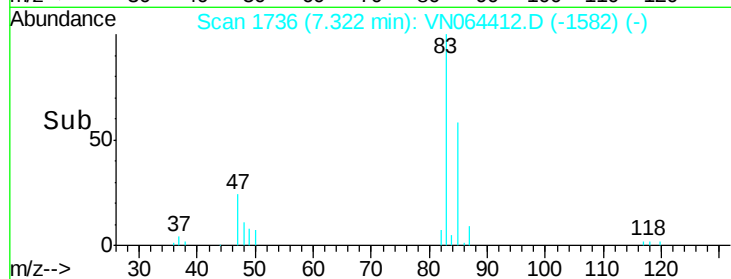
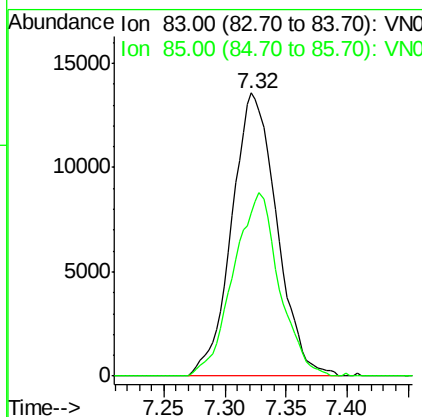
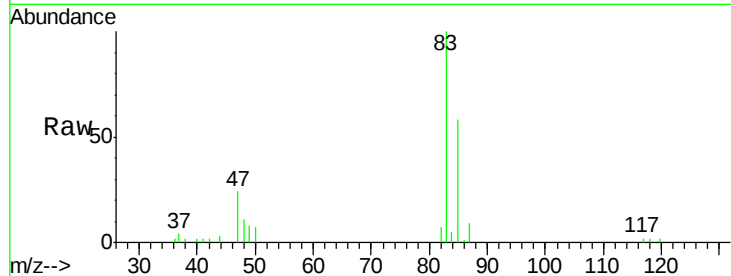
#25
Chloroform
Concen: 5.185 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	34753
Ion Ratio	100	Lower	Upper
85	57.6	51.0	76.4

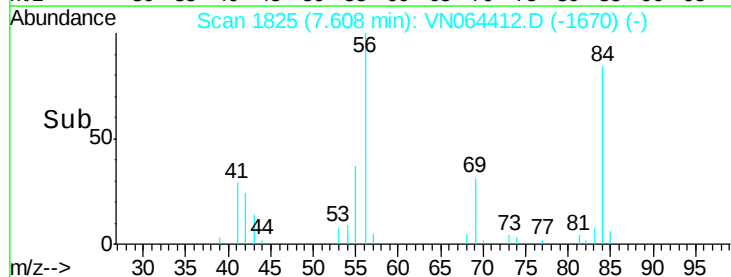
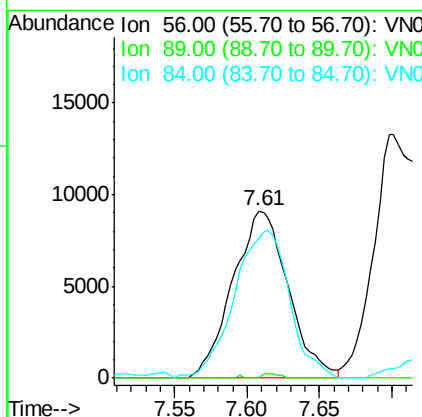
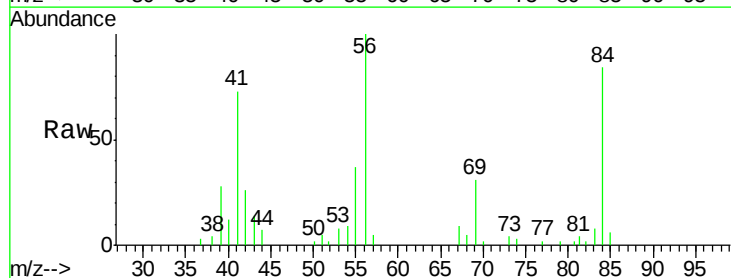
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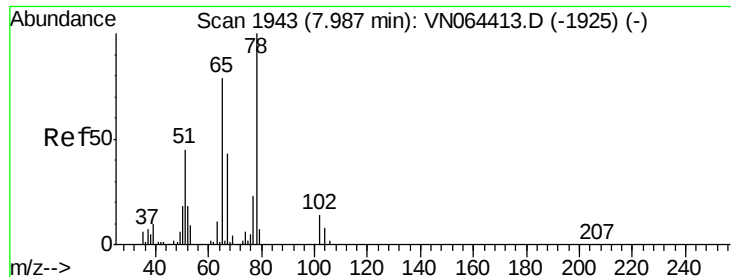
MMDadoda
11/3/2020 2:20:41 PM



#26
Cyclohexane
Concen: 4.610 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	56	Resp	24214
Ion Ratio	100	Lower	Upper
89	0.9	2.3	3.5#
84	87.5	69.4	104.0





#27

1,2-Dichloroethane-d4

Concen: 27.930 ug/l

RT: 7.98 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 132676

Ion Ratio Lower Upper

65 100

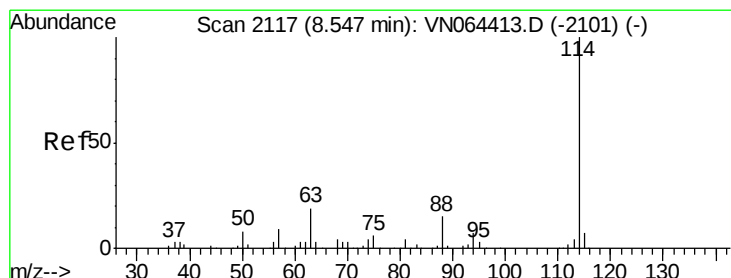
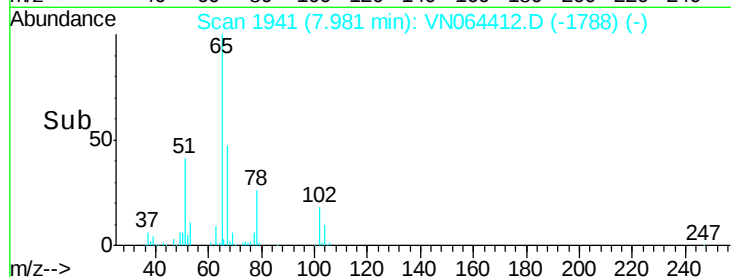
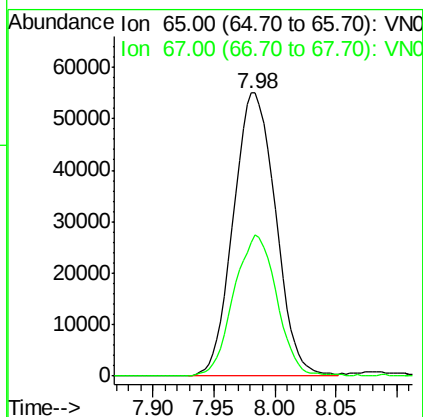
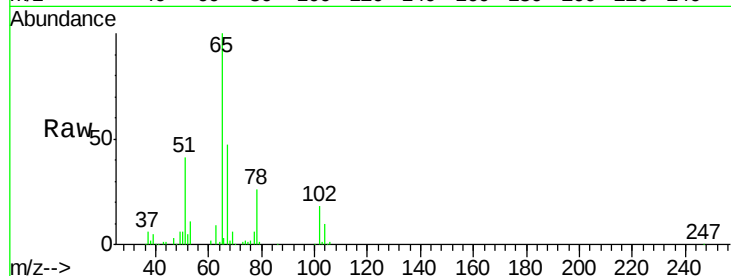
67 50.2 40.6 61.0

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

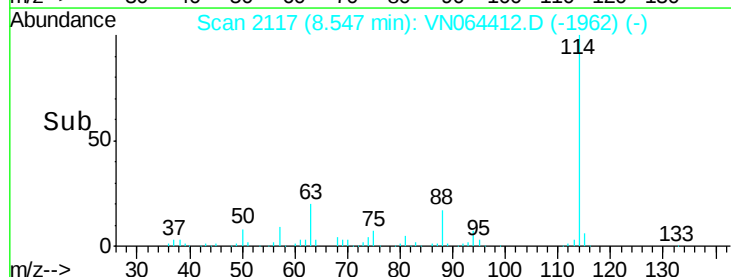
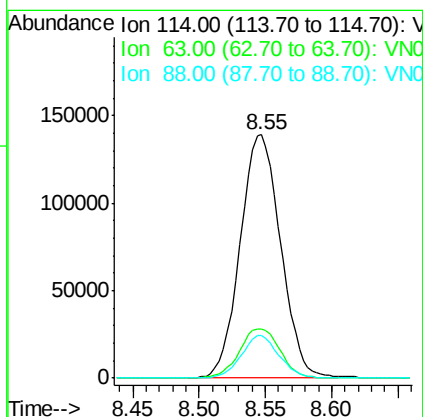
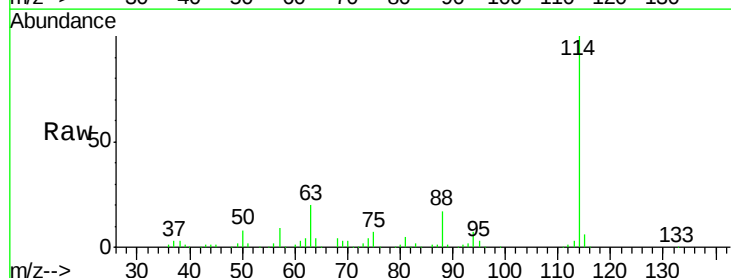
Tgt Ion: 114 Resp: 294845

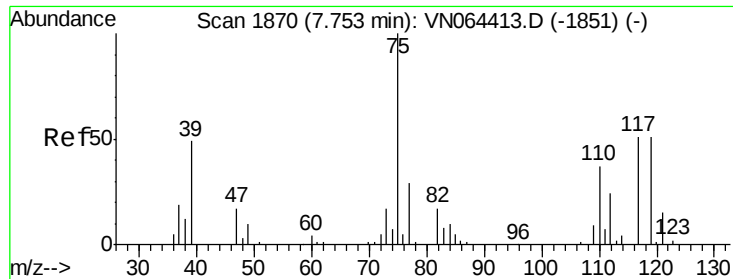
Ion Ratio Lower Upper

114 100

63 20.6 16.2 24.4

88 16.5 12.6 19.0





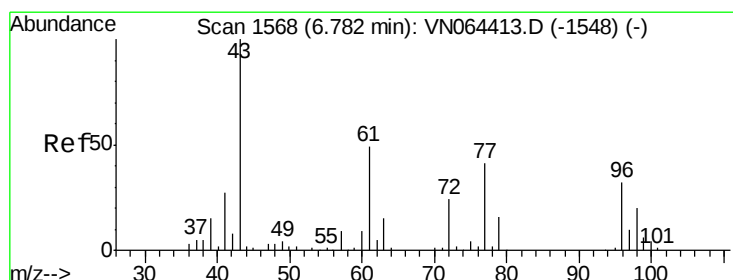
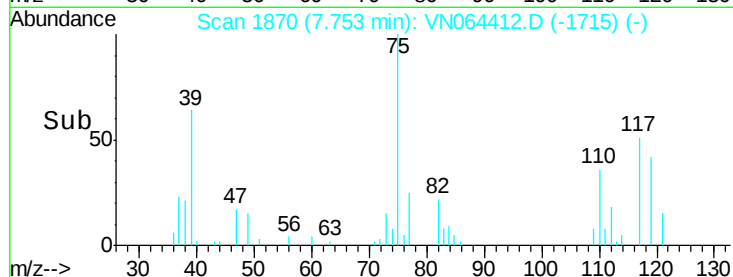
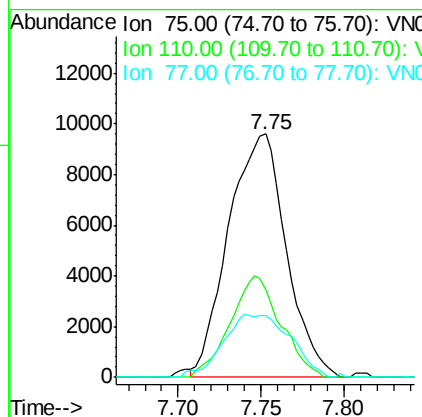
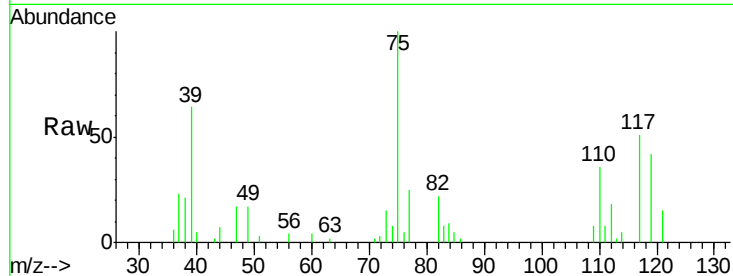
#29
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	71.8
77	11.8	0.0	32.4

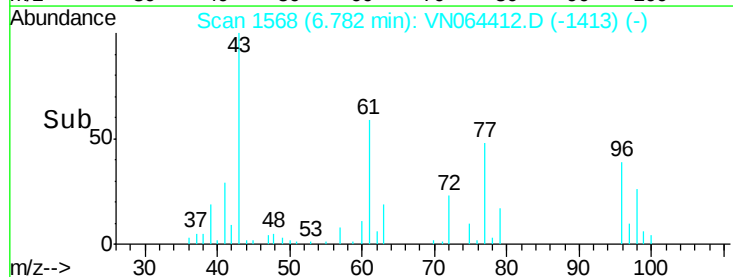
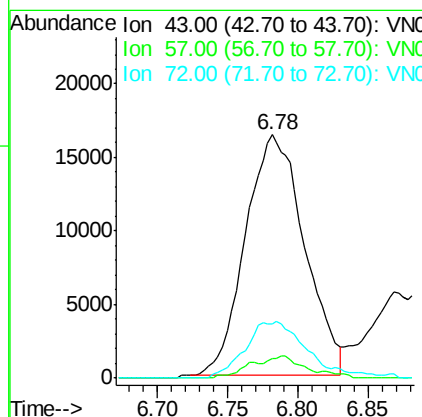
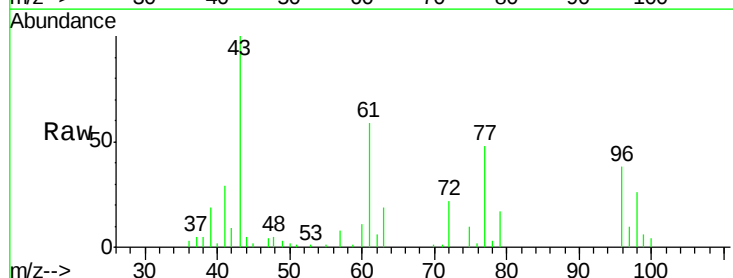
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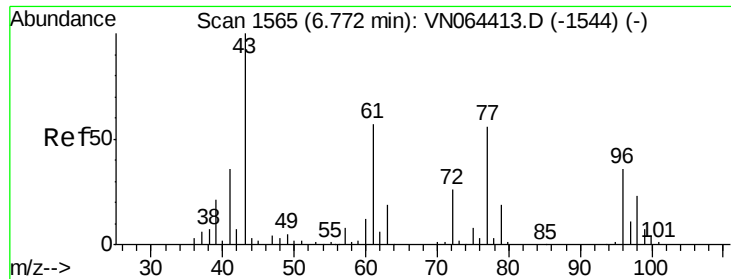
MMDadoda
 11/3/2020 2:20:41 PM



#30
 2-Butanone
 Concen: 20.192 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.3	6.6	9.8#
72	9.8	20.0	30.0#





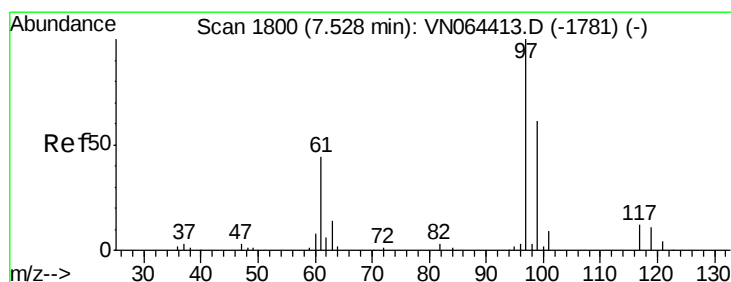
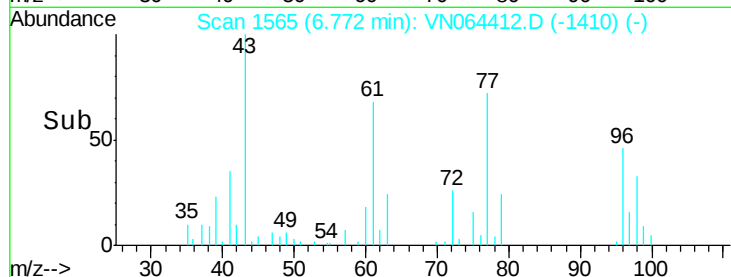
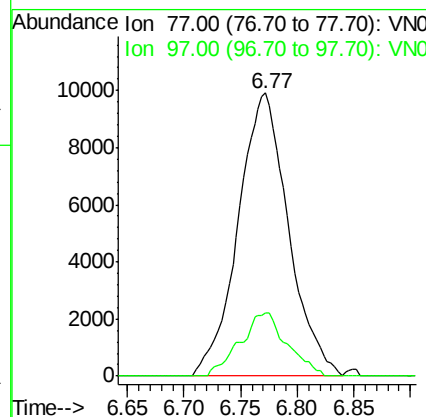
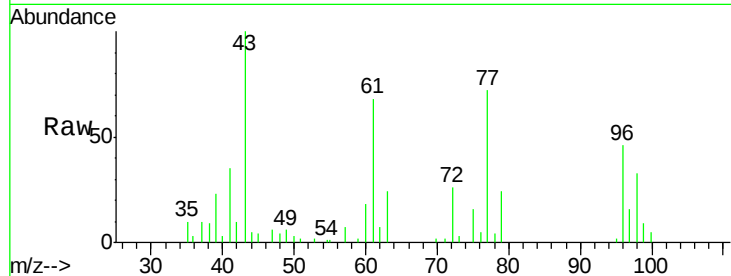
#31
 2,2-Dichloropropane
 Concen: 5.081 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 30632
 Ion Ratio Lower Upper
 77 100
 97 2.1 17.4 26.0#

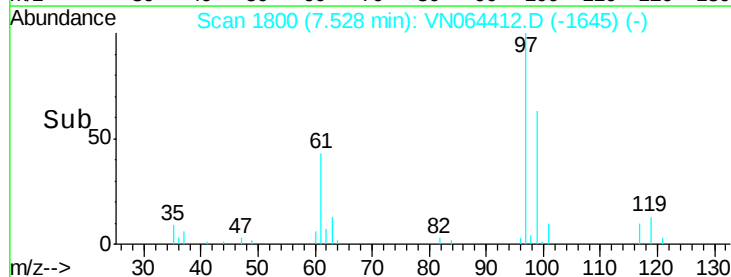
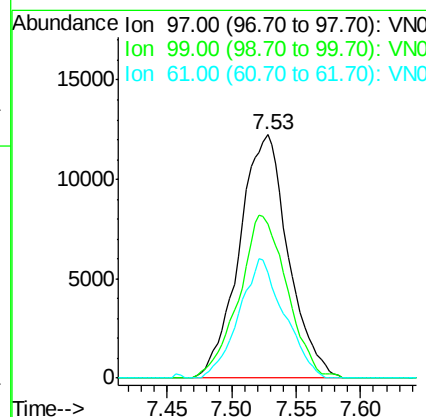
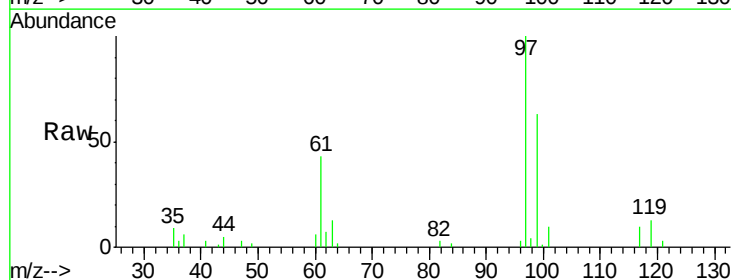
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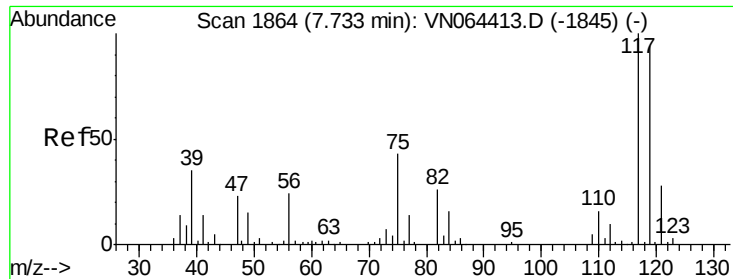
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 5.119 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion: 97 Resp: 32409
 Ion Ratio Lower Upper
 97 100
 99 65.3 49.8 74.8
 61 45.0 34.9 52.3





#33

Carbon Tetrachloride

Concen: 4.868 ug/l

RT: 7.73 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

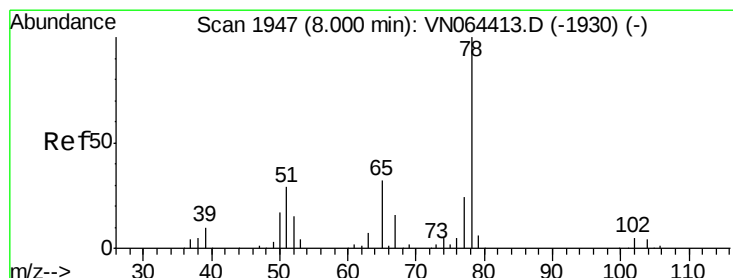
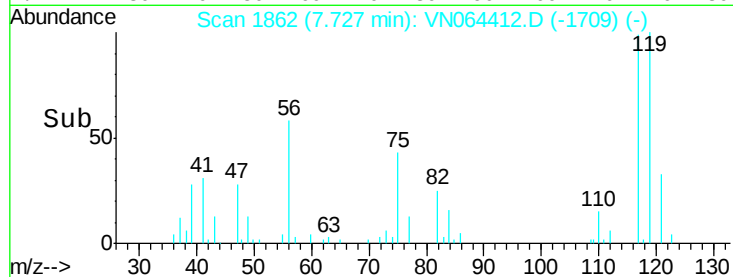
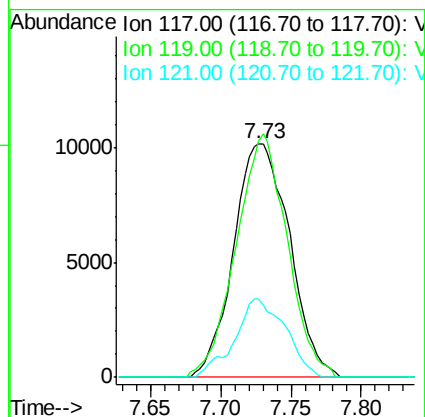
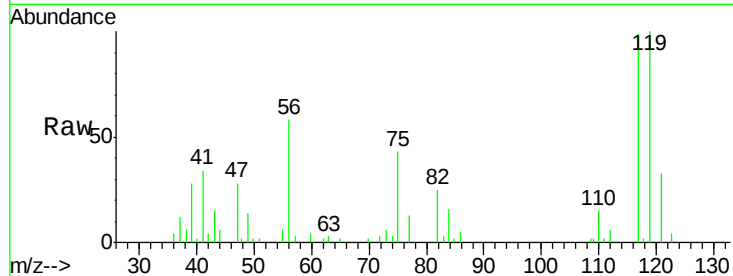
ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 28144
 Ion Ratio Lower Upper
 117 100
 119 100.6 75.0 112.4
 121 33.4 22.1 33.1#

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#34

Benzene

Concen: 5.049 ug/l

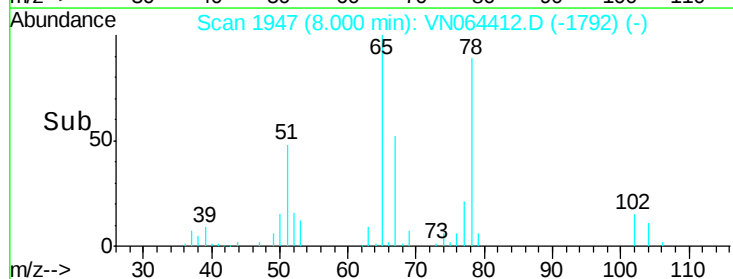
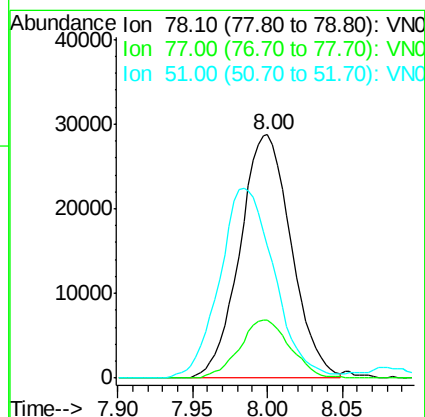
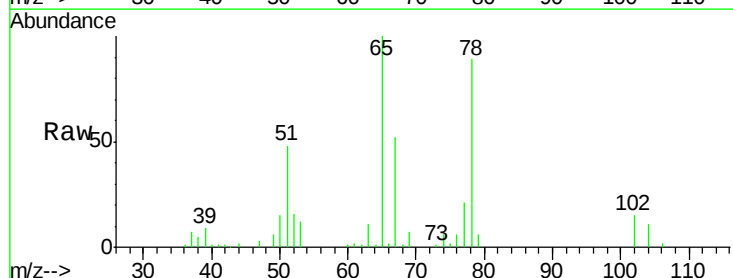
RT: 8.00 min Scan# 1947

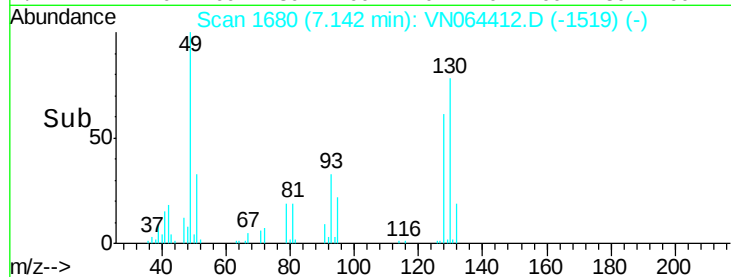
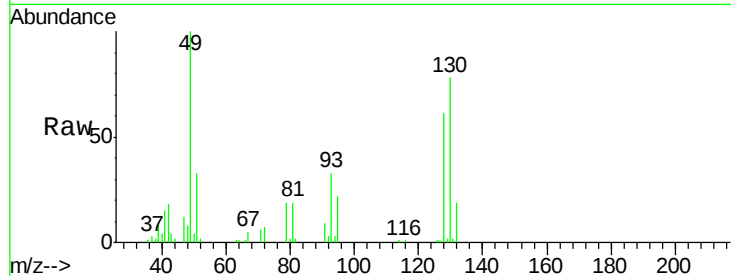
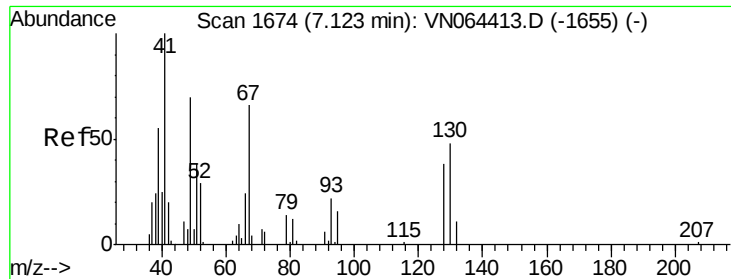
Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Tgt Ion: 78 Resp: 68557
 Ion Ratio Lower Upper
 78 100
 77 23.9 19.0 28.4
 51 52.7 23.1 34.7#





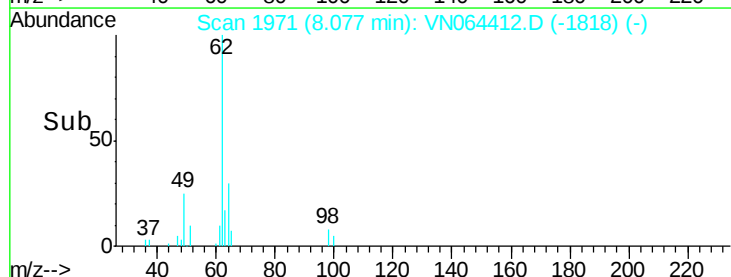
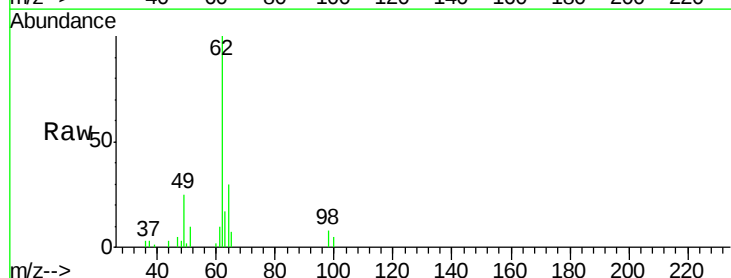
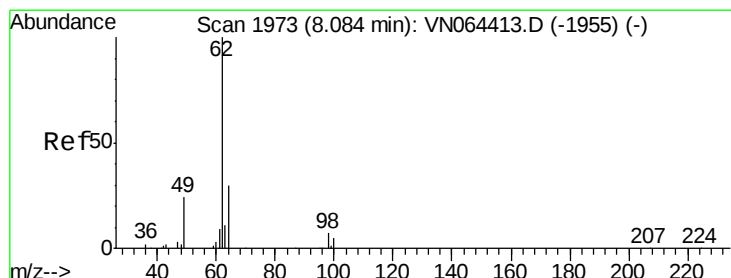
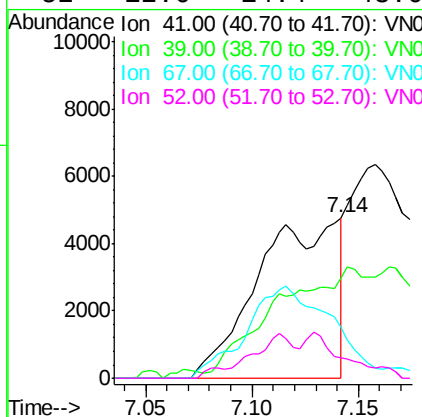
#35
Methacrylonitrile
Concen: 5.221 ug/l m
RT: 7.14 min Scan# 1680
Delta R.T. 0.02 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.1	27.8	83.3
67	32.4	32.9	98.6#
52	12.6	14.4	43.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

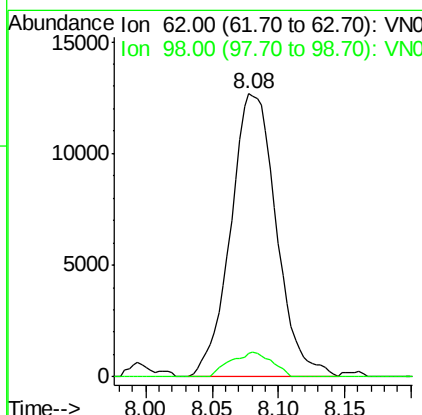
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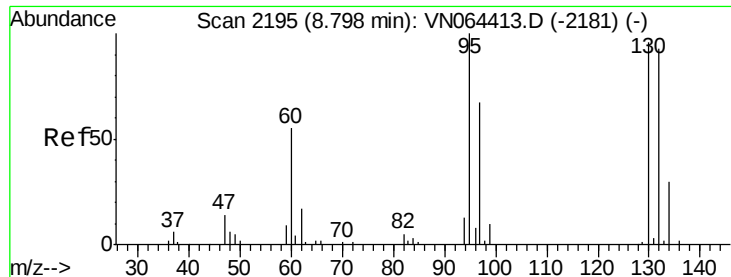
MMDadoda
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#36
1,2-Dichloroethane
Concen: 5.102 ug/l
RT: 8.08 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.2	9.2





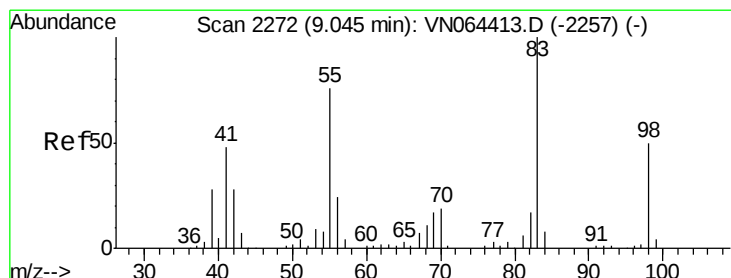
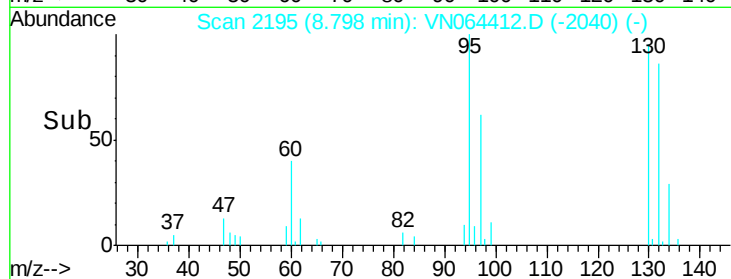
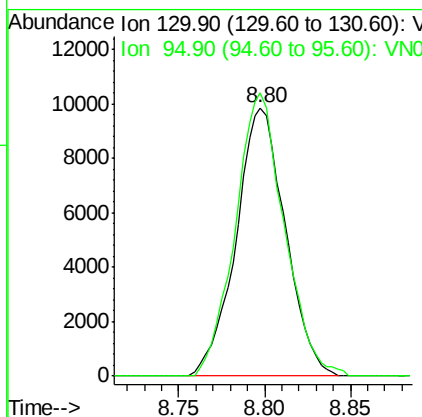
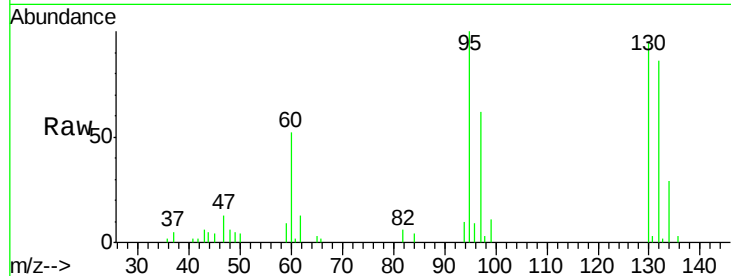
#37
 Trichloroethene
 Concen: 5.304 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 19705
 Ion Ratio Lower Upper
 130 100
 95 105.6 83.6 125.4

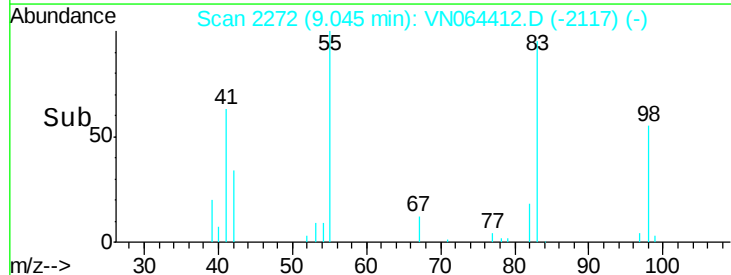
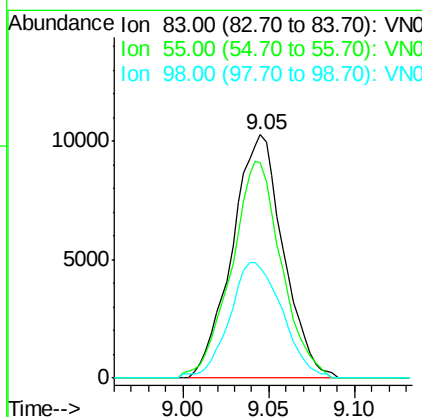
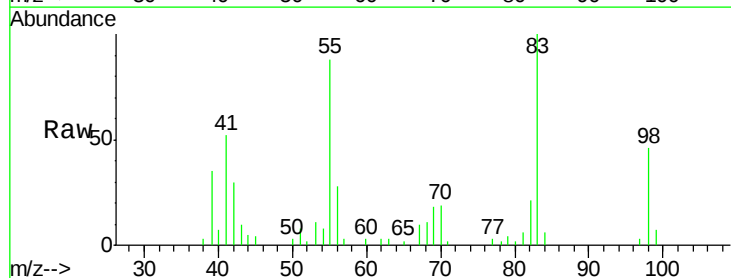
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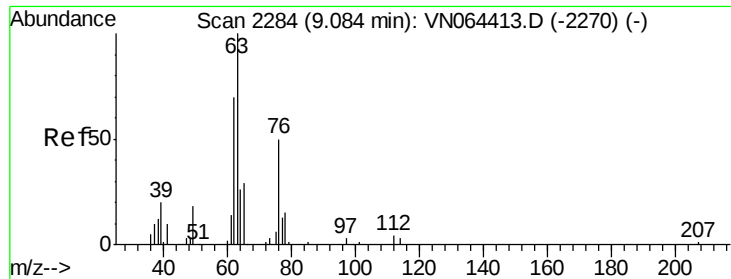
MMDadoda
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#38
 Methylcyclohexane
 Concen: 4.416 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion: 83 Resp: 21250
 Ion Ratio Lower Upper
 83 100
 55 86.7 38.3 114.9
 98 48.4 24.6 74.0





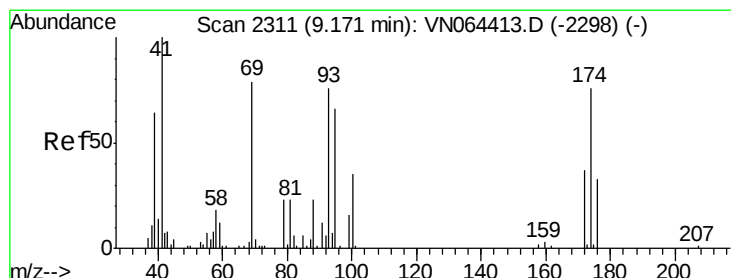
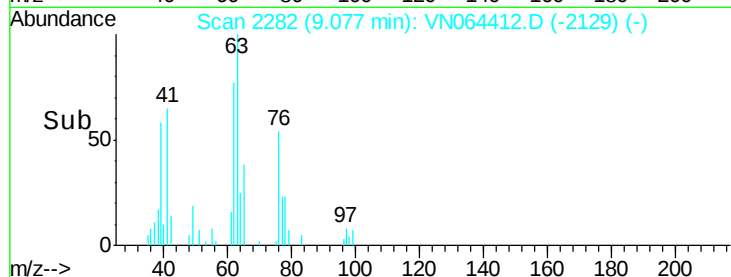
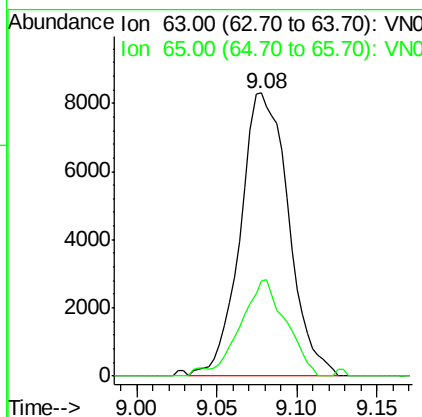
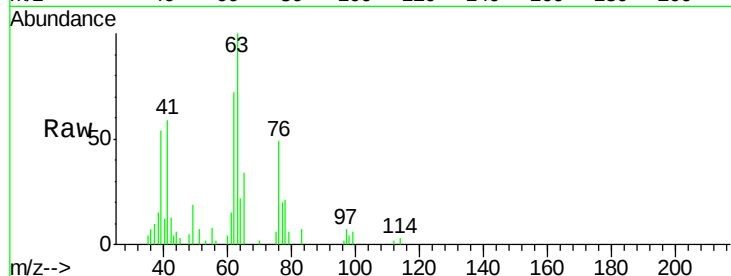
#39
 1,2-Dichloropropane
 Concen: 4.746 ug/l
 RT: 9.08 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	63	Resp	17111
Ion Ratio	100	Lower	Upper
63	100		
65	33.8	25.0	37.6

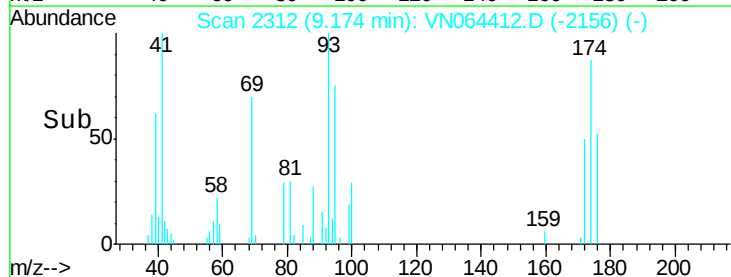
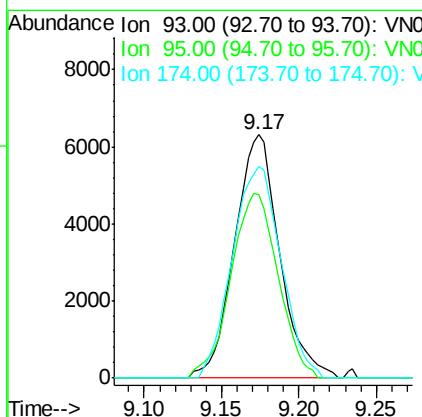
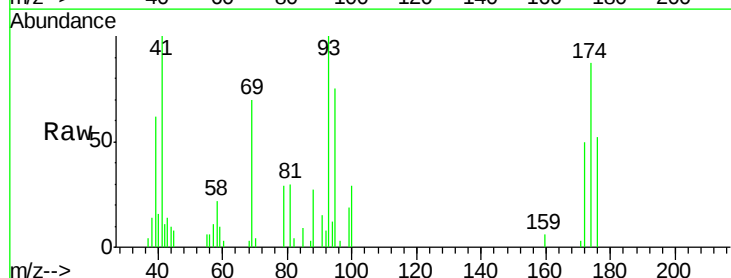
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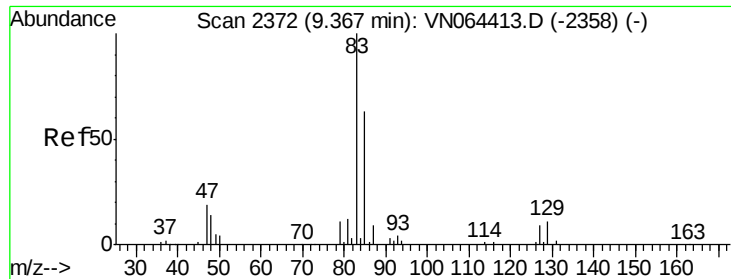
MMDadoda
 11/3/2020 2:20:41 PM



#40
 Dibromomethane
 Concen: 5.059 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	93	Resp	12833
Ion Ratio	100	Lower	Upper
93	100		
95	79.1	0.0	170.0
174	93.8	0.0	199.8





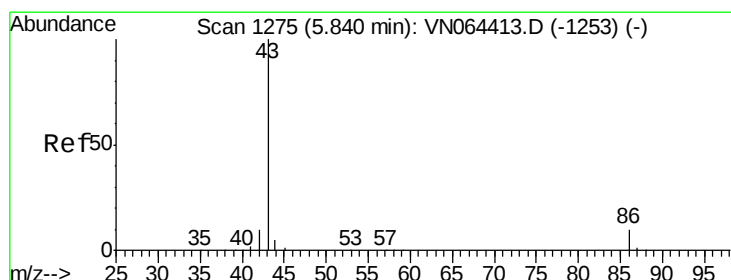
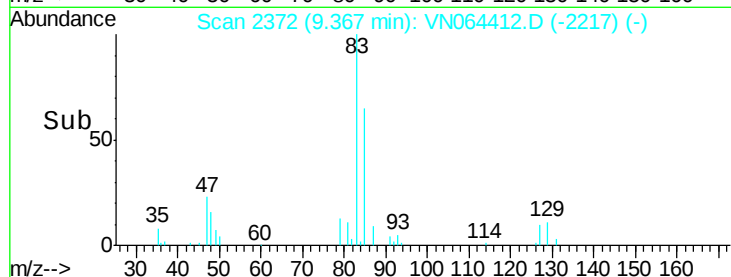
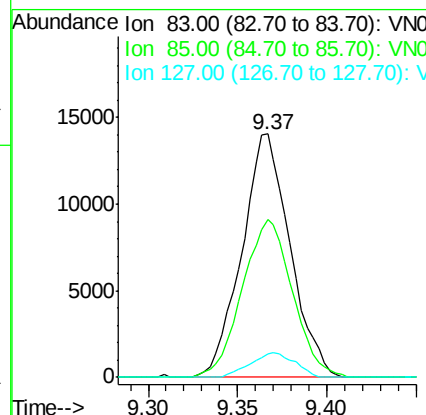
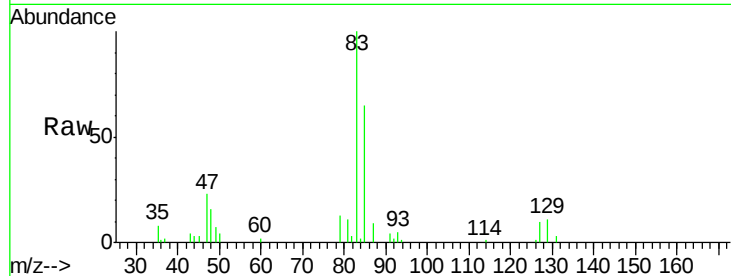
#41
Bromodichloromethane
Concen: 4.835 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	26447
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.5	75.7
127	9.7	7.0	10.6

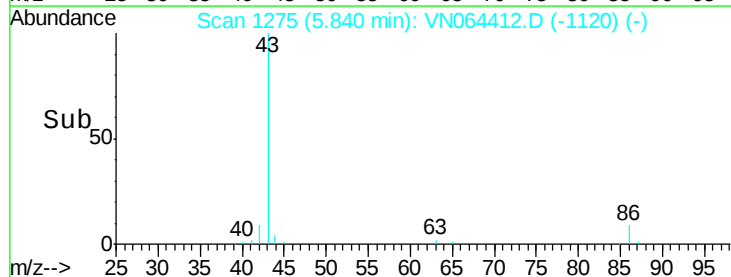
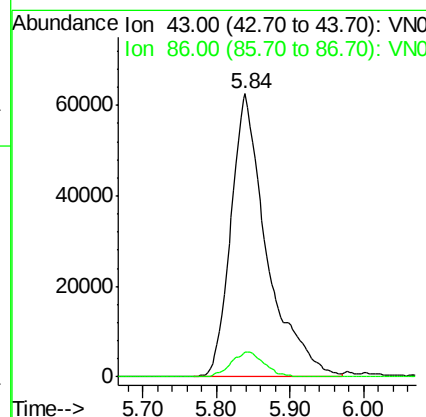
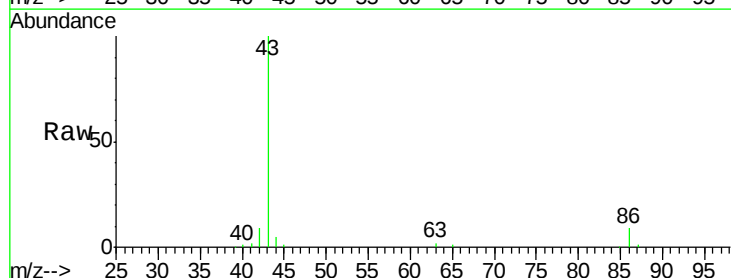
Manual Integrations
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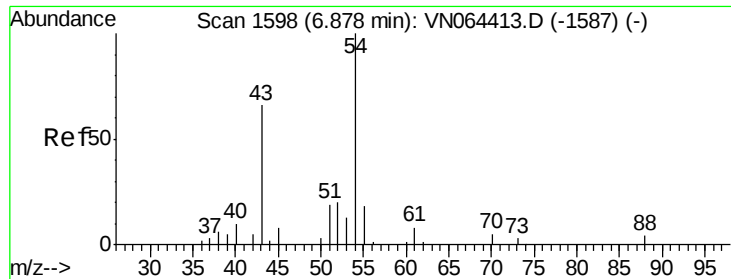
MMDadoda
11/3/2020 2:20:41 PM



#42
Vinyl Acetate
Concen: 21.332 ug/l m
RT: 5.84 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	43	Resp	212727
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.5	9.7





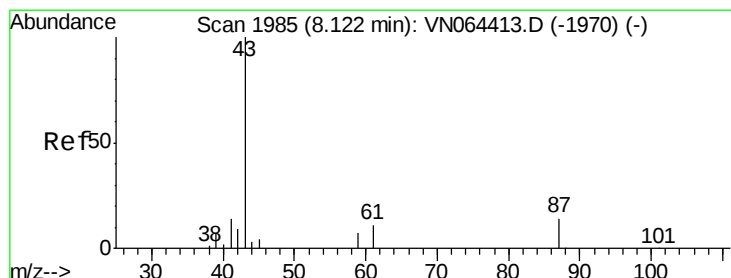
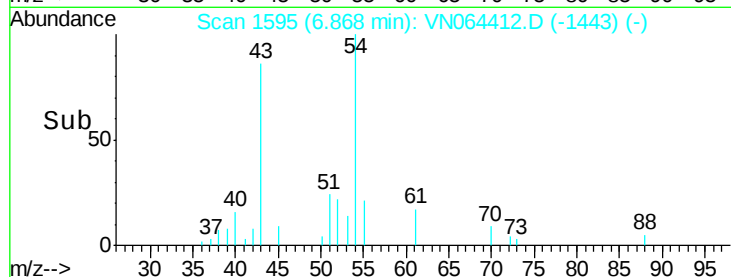
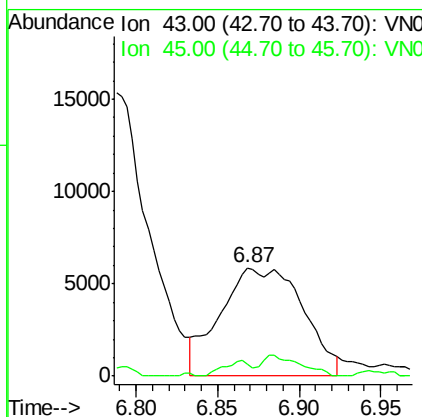
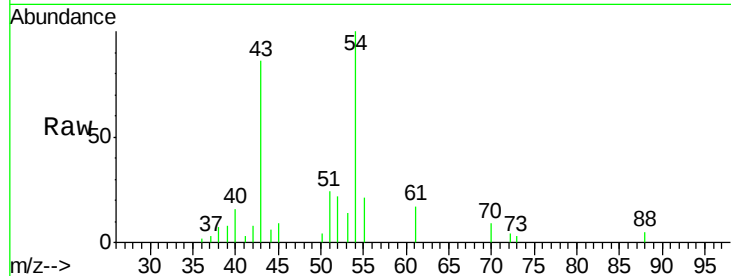
#43
Ethyl Acetate
Concen: 4.461 ug/l m
RT: 6.87 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 20707
Ion Ratio Lower Upper
43 100
45 4.6 5.2 7.8#

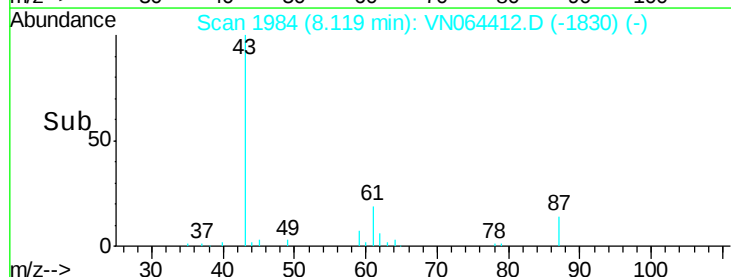
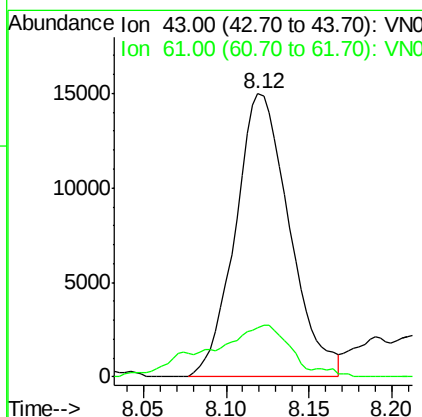
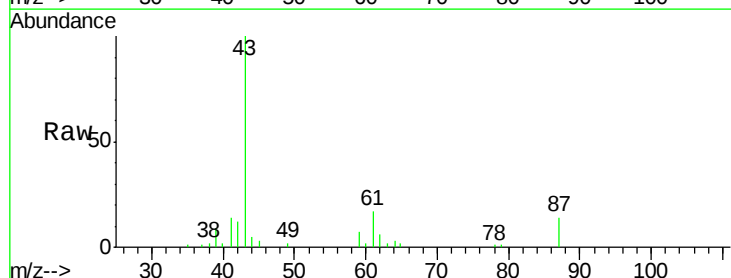
Manual Integrations
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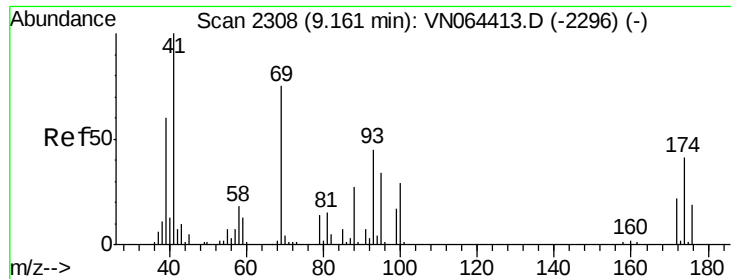
MMDadoda
11/3/2020 2:20:41 PM



#44
Isopropyl Acetate
Concen: 3.932 ug/l
RT: 8.12 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 43 Resp: 34022
Ion Ratio Lower Upper
43 100
61 18.8 0.2 0.4#





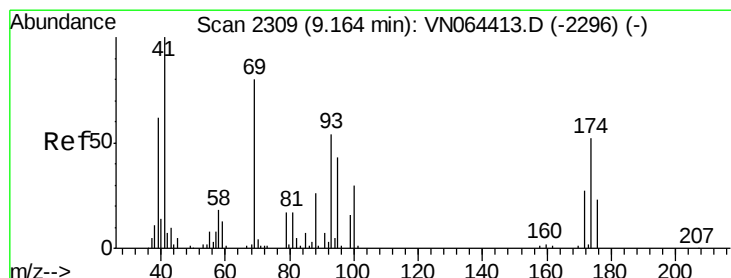
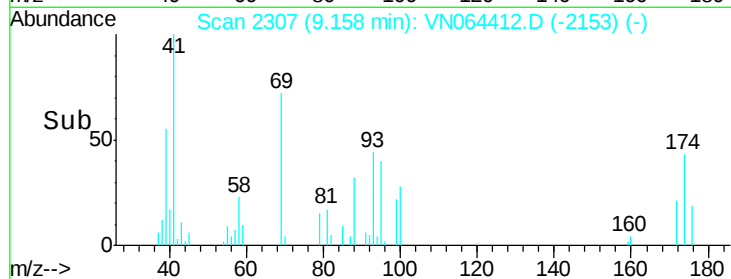
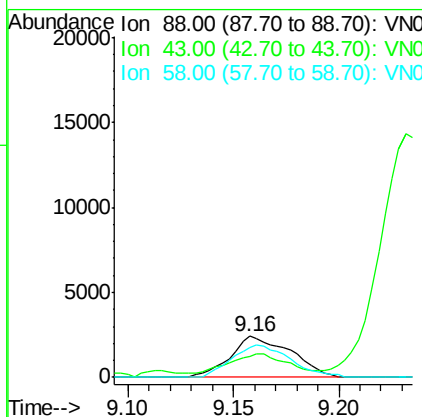
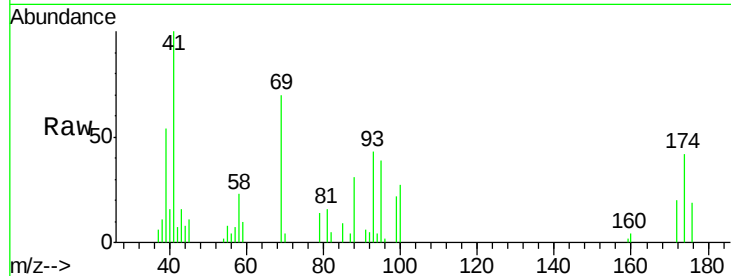
#45
 1,4-Dioxane
 Concen: 72.738 ug/l
 RT: 9.16 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	4775
Ion	Ratio	Lower	Upper
88	100		
43	44.4	32.0	48.0
58	76.4	59.1	88.7

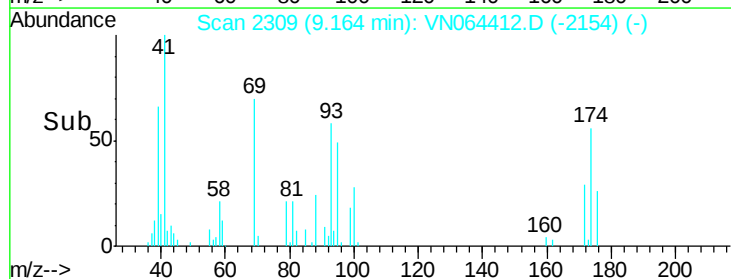
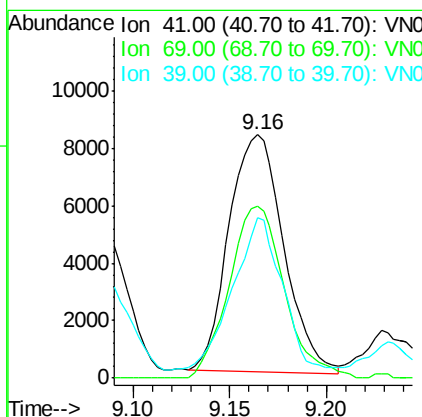
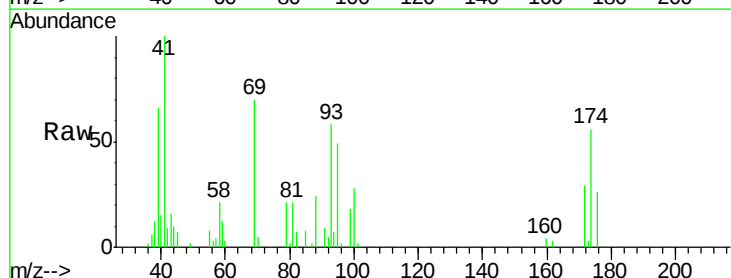
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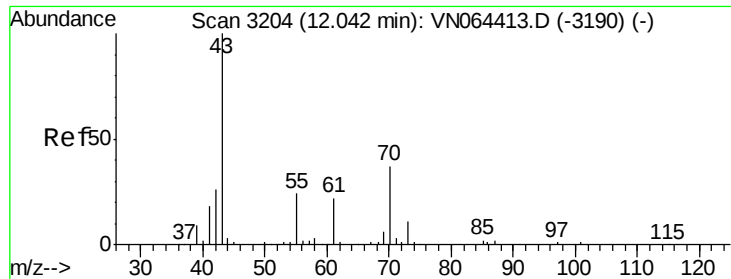
MMDadoda
 11/3/2020 2:20:41 PM



#46
 Methyl methacrylate
 Concen: 3.873 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	41	Resp	16325
Ion	Ratio	Lower	Upper
41	100		
69	73.0	39.8	119.4
39	64.0	30.5	91.5





#47

n-amvl Acetate

Concen: 3.351 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24412

Ion Ratio Lower Upper

43 100

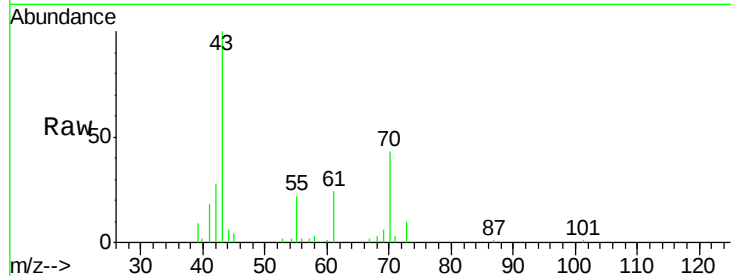
55 12.8 18.1 27.1#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

10000

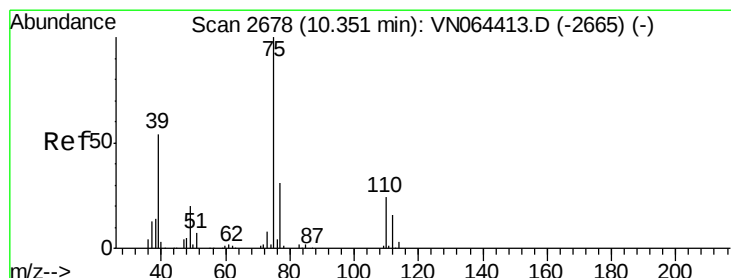
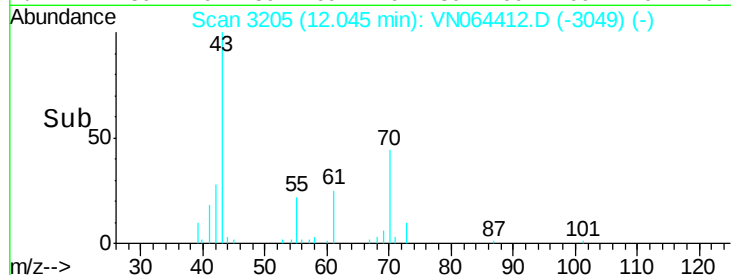
5000

0

12.05

11.95 12.00 12.05 12.10

Time-->



#48

t-1,3-Dichloropropene

Concen: 4.776 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064412.D

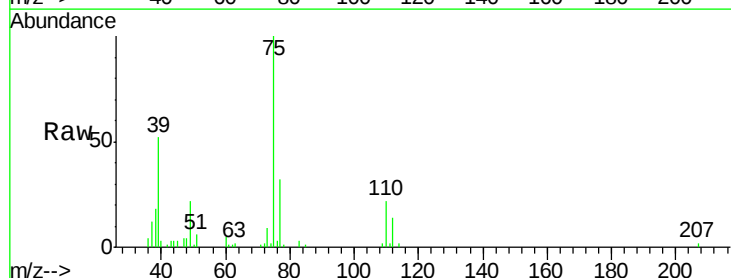
Acq: 2 Nov 2020 13:50

Tgt Ion: 75 Resp: 28997

Ion Ratio Lower Upper

75 100

77 30.6 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

15000

10000

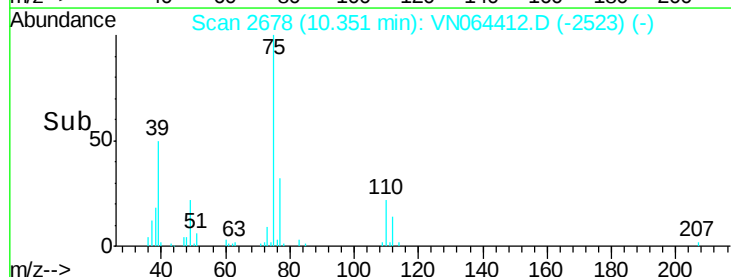
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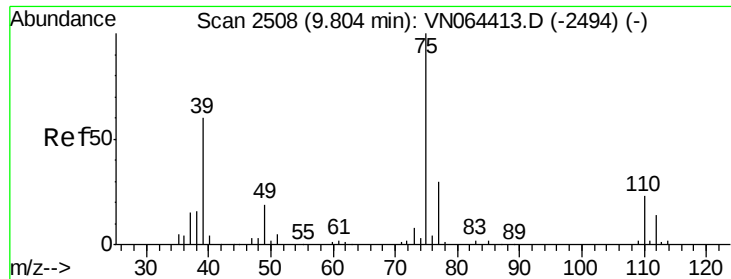
0

10.35

10.30 10.35 10.40

Time-->





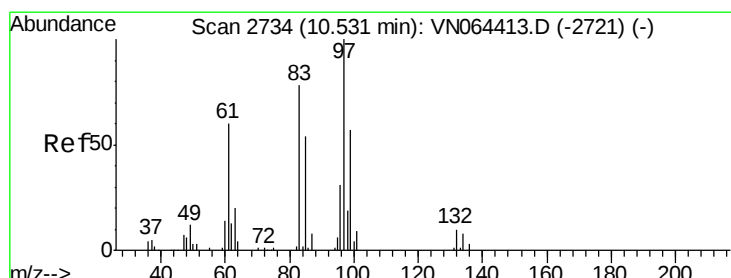
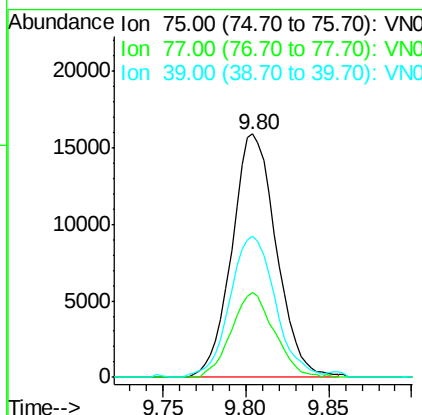
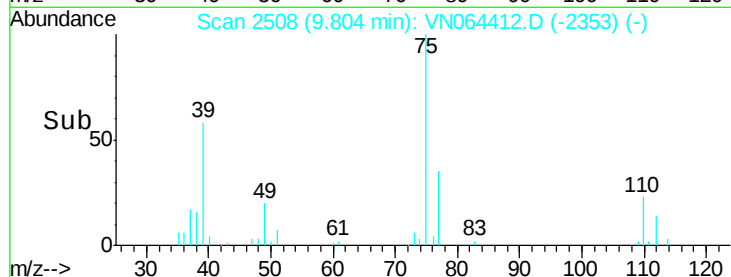
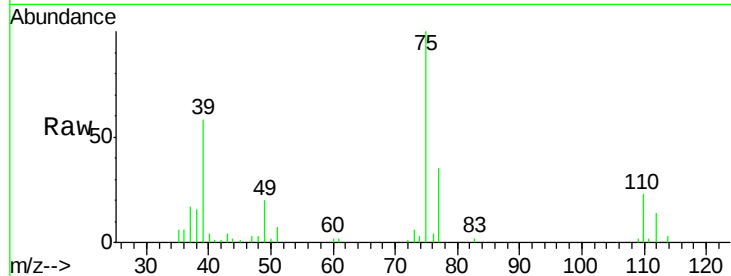
#49
 cis-1,3-Dichloropropene
 Concen: 4.734 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.8	24.3	36.5
39	57.0	48.0	72.0

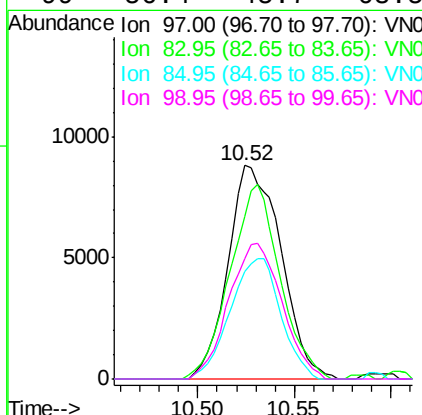
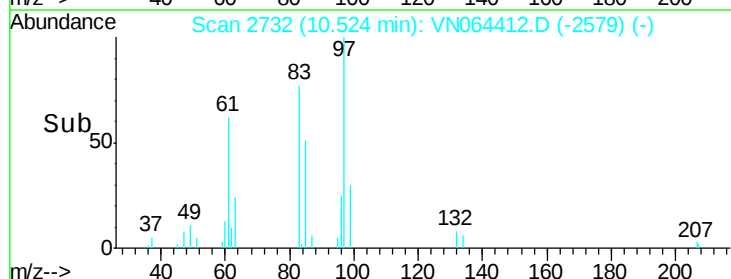
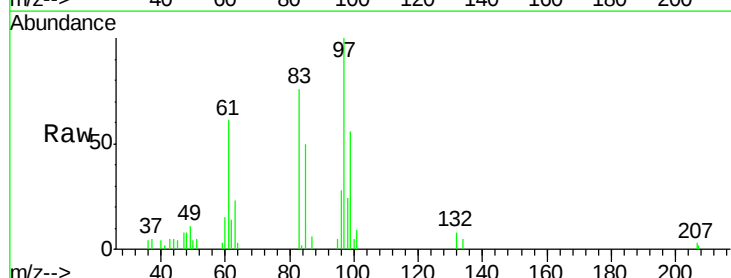
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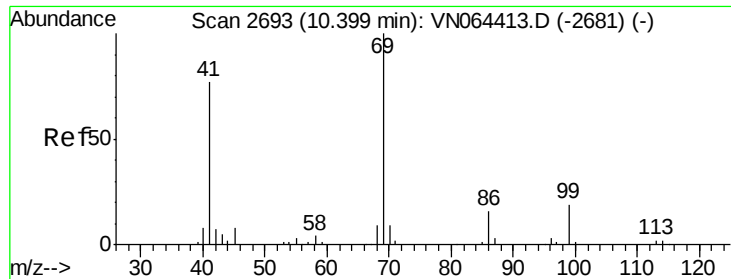
MMDadoda
 11/3/2020 2:20:41 PM



#50
 1,1,2-Trichloroethane
 Concen: 4.942 ug/l
 RT: 10.52 min Scan# 2732
 Delta R.T. -0.01 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	76.0	62.4	93.6
85	50.2	42.9	64.3
99	56.4	45.7	68.5





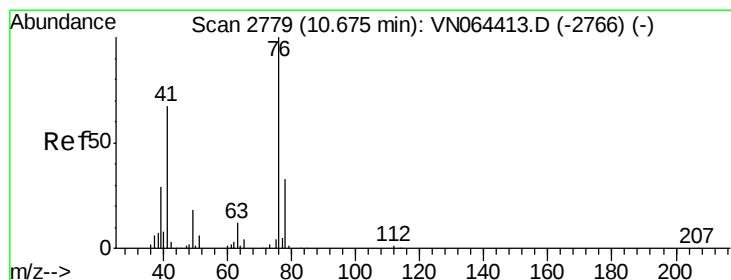
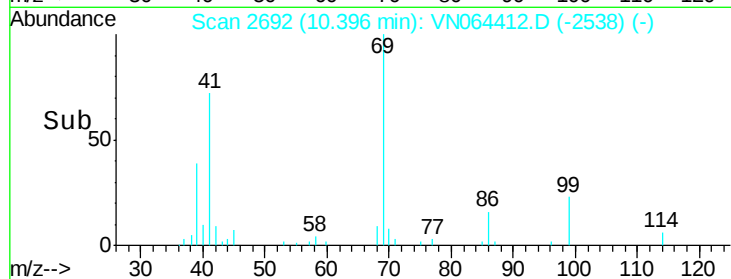
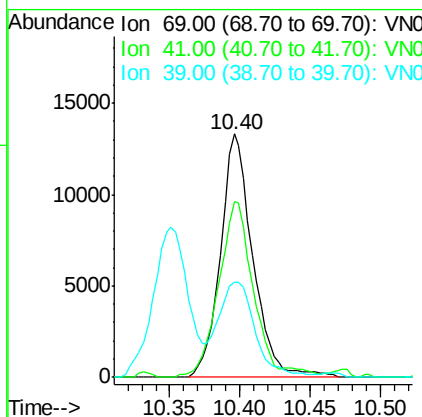
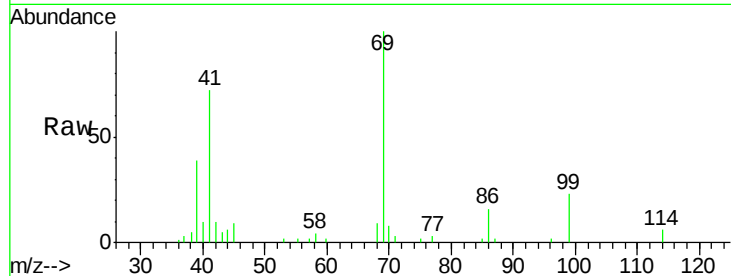
#51
Ethyl methacrylate
Concen: 4.097 ug/l
RT: 10.40 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
69	100		
41	70.5	38.4	115.2
39	37.5	22.7	68.0

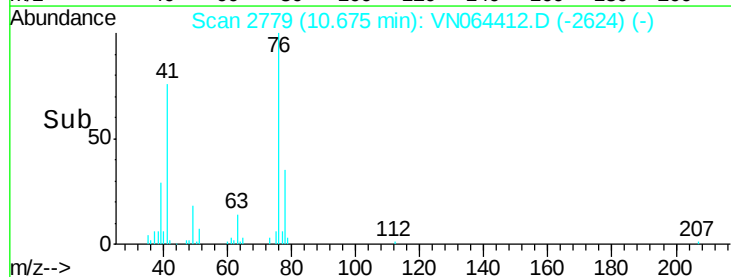
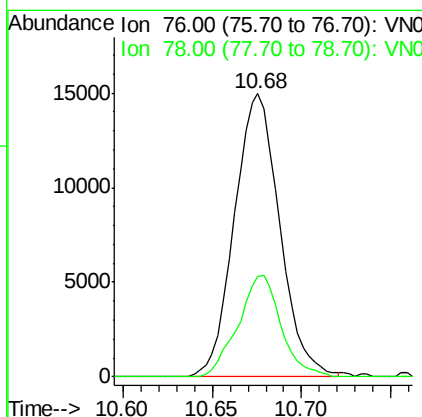
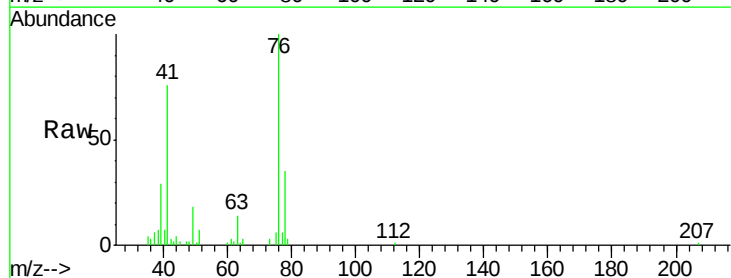
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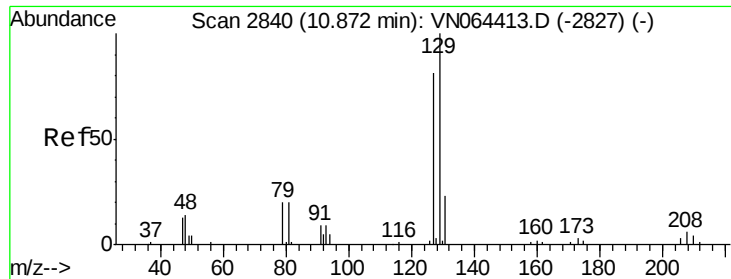
MMDadoda
11/3/2020 2:20:41 PM



#52
1,3-Dichloropropane
Concen: 4.455 ug/l
RT: 10.68 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
76	100		
78	34.0	0.0	65.2





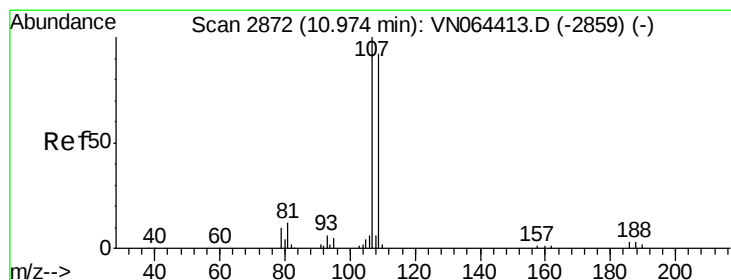
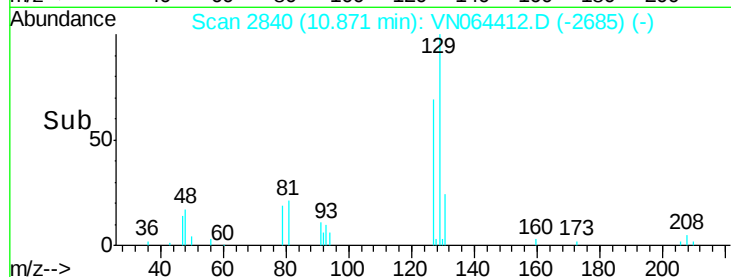
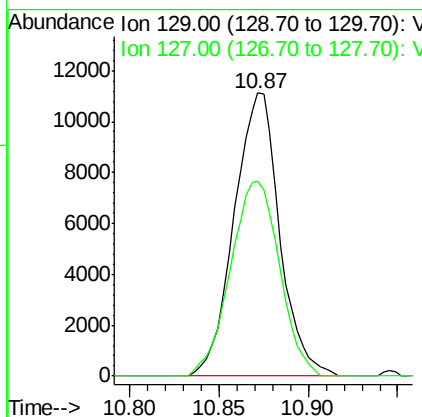
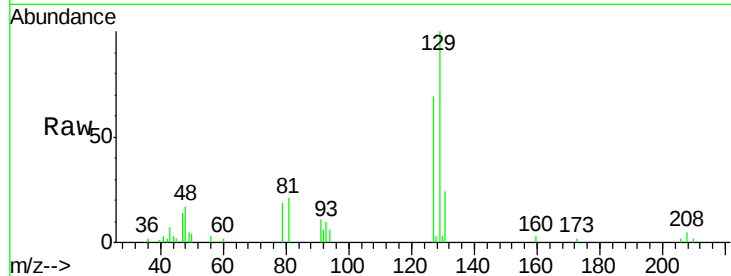
#53
 Dibromochloromethane
 Concen: 4.770 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:129 Resp: 19727
 Ion Ratio Lower Upper
 129 100
 127 74.1 38.6 115.7

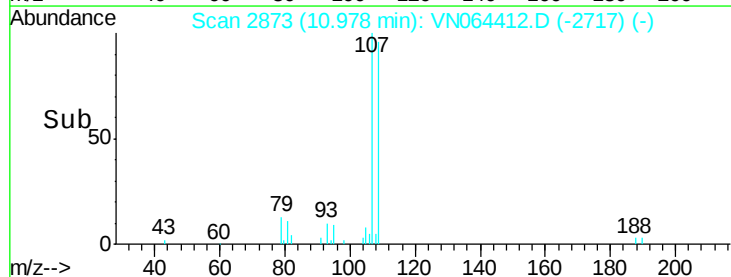
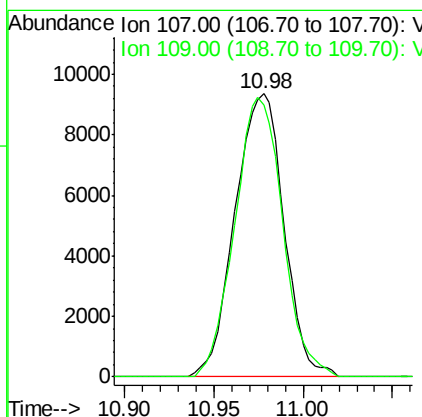
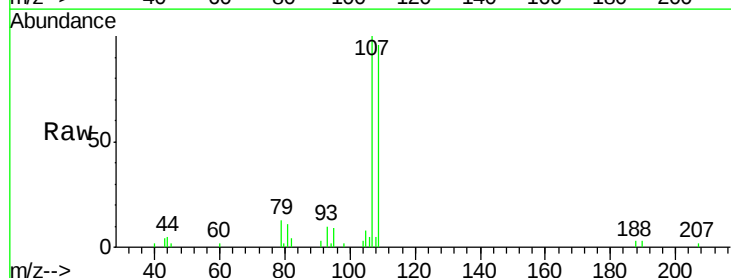
Manual Integrations
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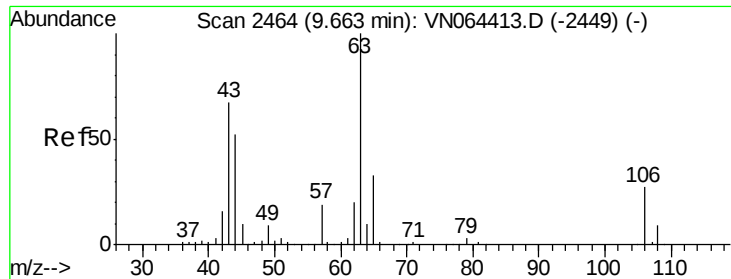
MMDadoda
 11/3/2020 2:20:41 PM



#54
 1,2-Dibromoethane
 Concen: 4.939 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion:107 Resp: 17880
 Ion Ratio Lower Upper
 107 100
 109 96.9 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 27.813 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 72432

Ion Ratio Lower Upper

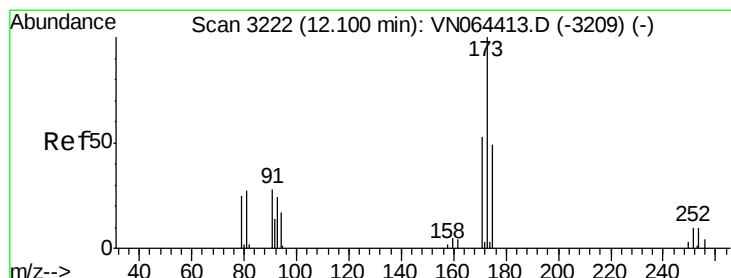
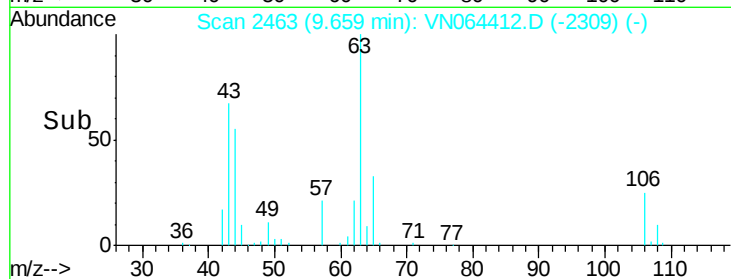
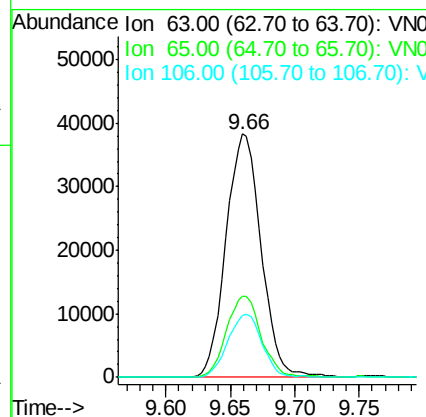
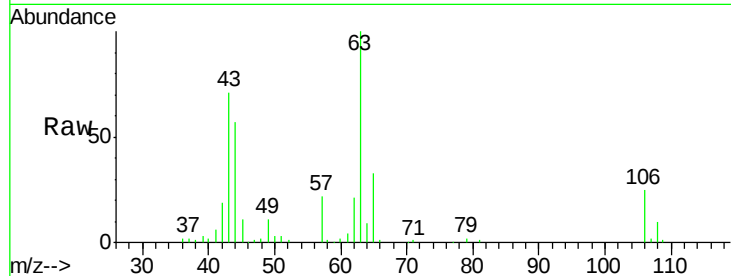
63 100

65 32.7 26.2 39.4

106 24.9 21.8 32.6

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#56

Bromoform

Concen: 4.439 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

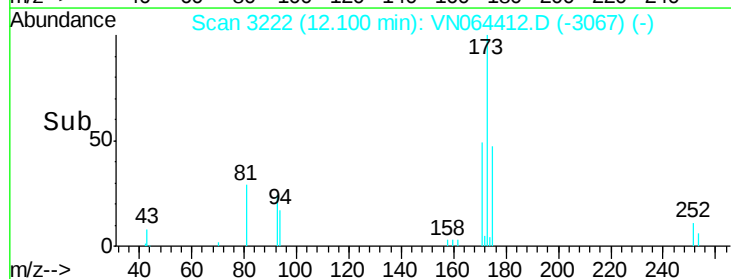
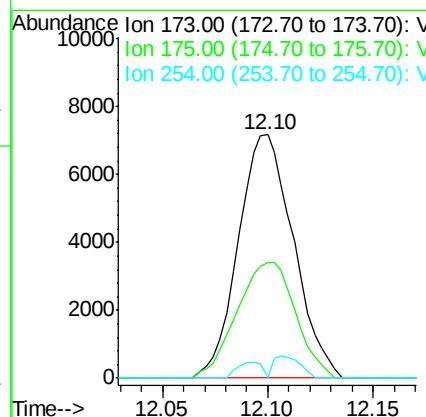
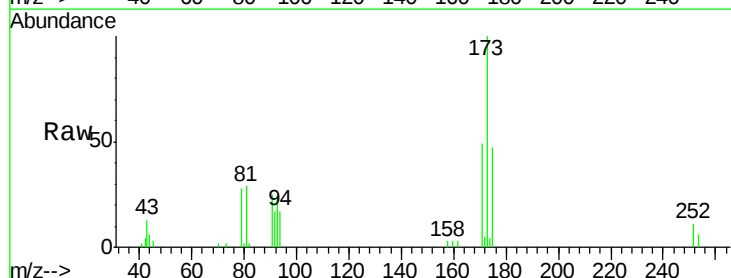
Tgt Ion: 173 Resp: 12994

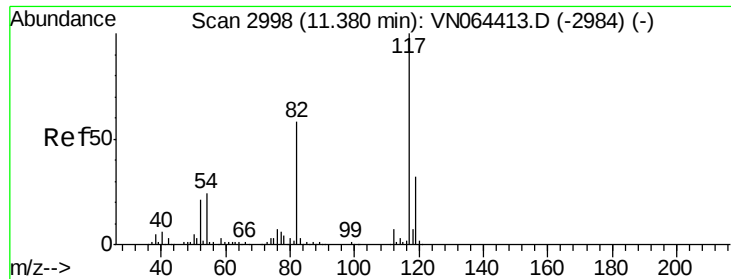
Ion Ratio Lower Upper

173 100

175 50.6 39.0 58.4

254 4.4 7.0 10.6#





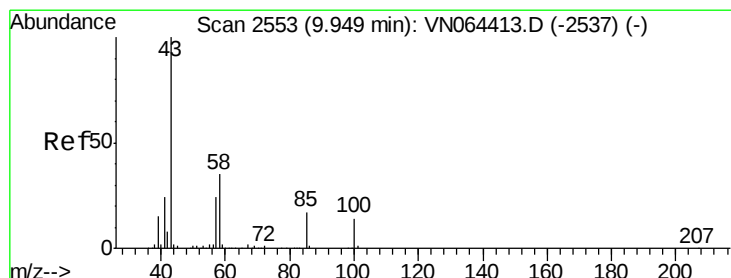
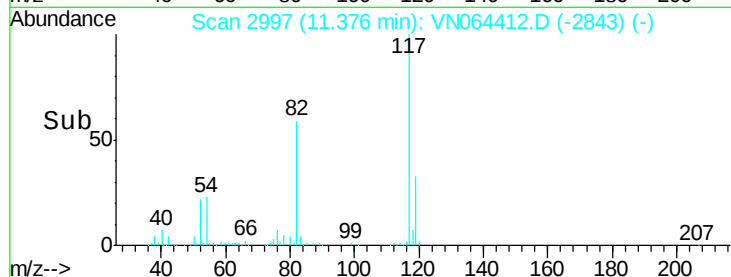
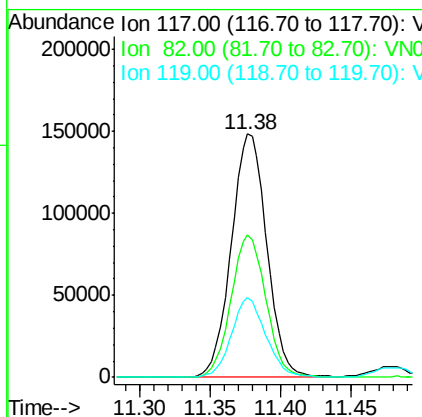
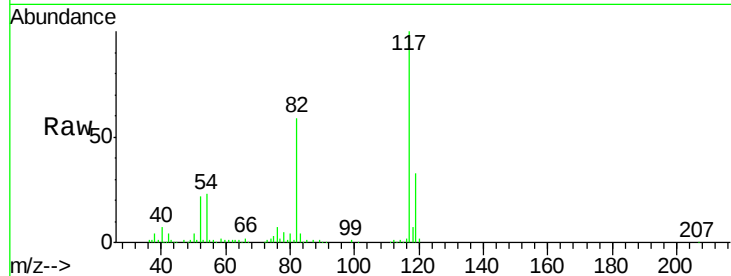
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262114		
82	57.6	46.1	69.1	
119	31.9	26.2	39.2	

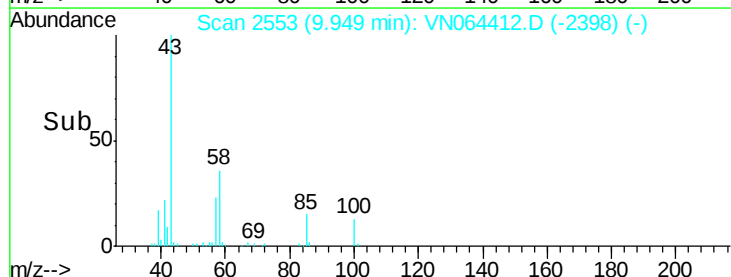
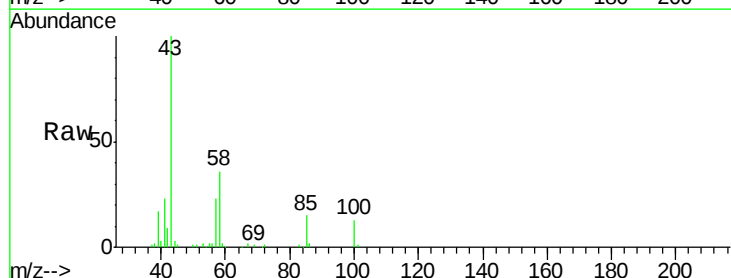
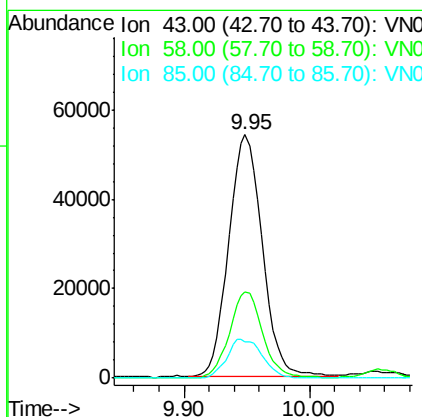
Manual Integrations
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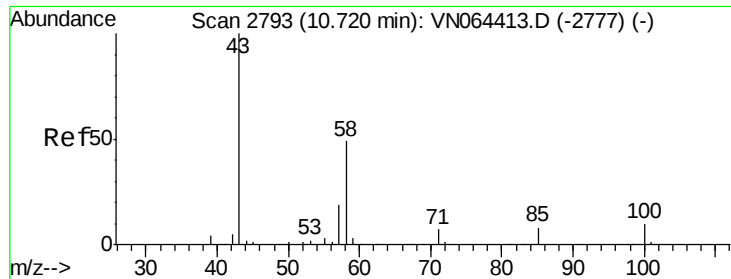
MMDadoda
11/3/2020 2:20:41 PM



#58
4-Methyl-2-Pentanone
Concen: 21.574 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	101276		
58	35.0	28.6	43.0	
85	16.8	13.5	20.3	





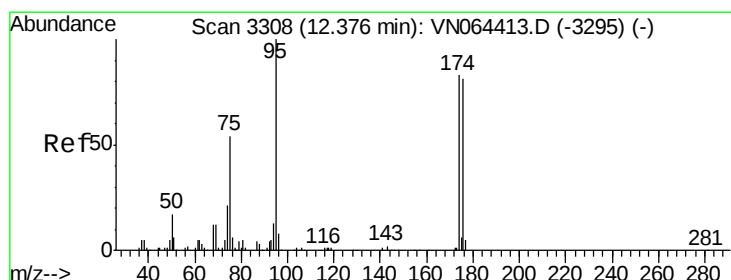
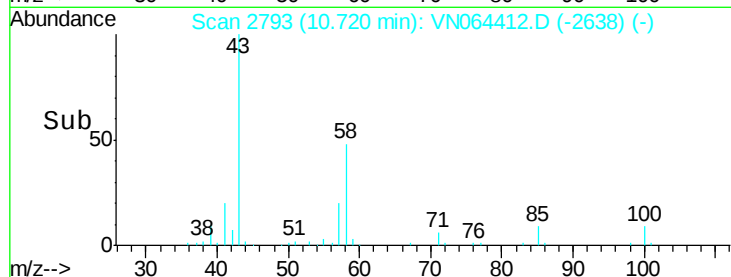
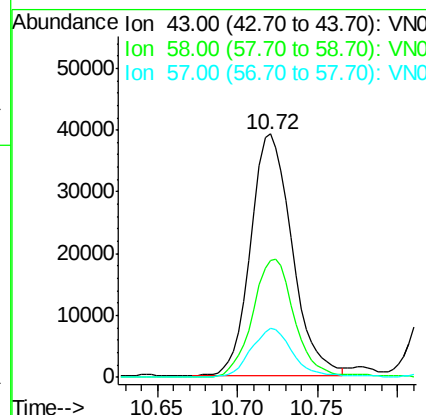
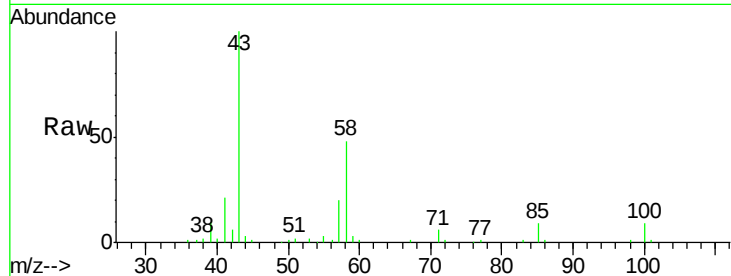
#59
2-Hexanone
Concen: 19.575 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	69205
Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.4	59.0
57	20.4	14.4	21.6

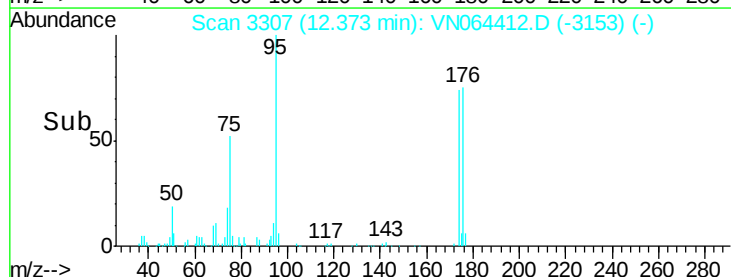
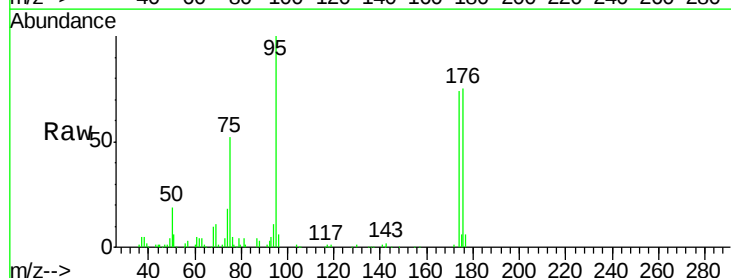
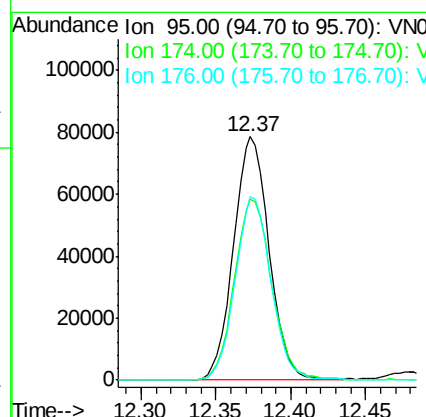
Manual Integrations
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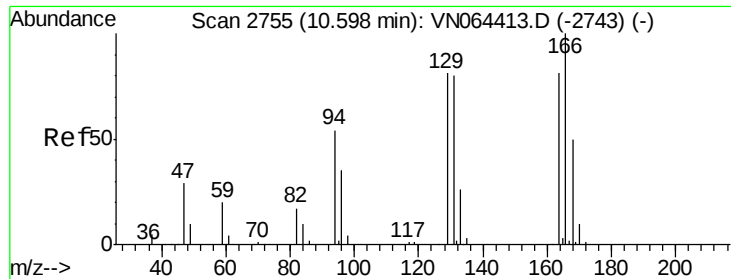
MMDadoda
11/3/2020 2:20:41 PM



#60
4-Bromofluorobenzene
Concen: 28.362 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion:	95	Resp:	130415
Ion	Ratio	Lower	Upper
95	100		
174	77.8	65.2	97.8
176	75.4	62.2	93.4





#61

Tetrachloroethene

Concen: 5.414 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

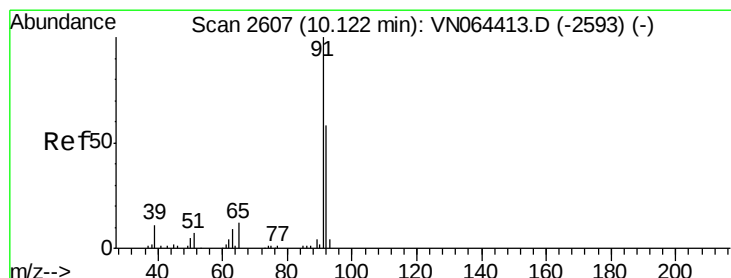
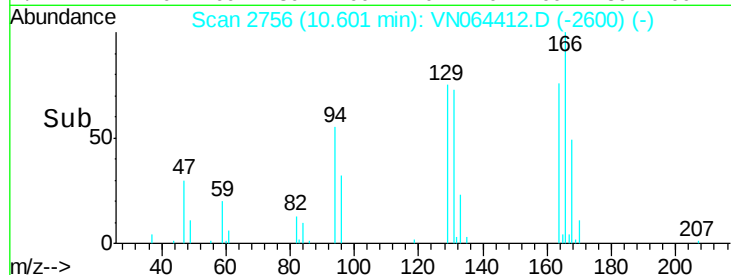
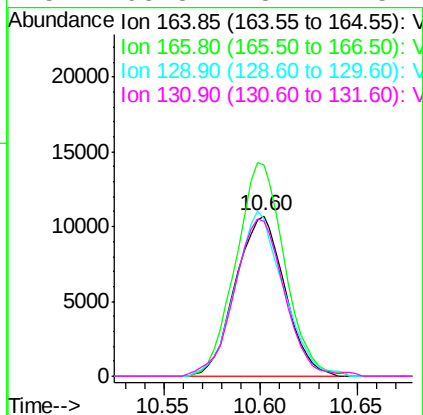
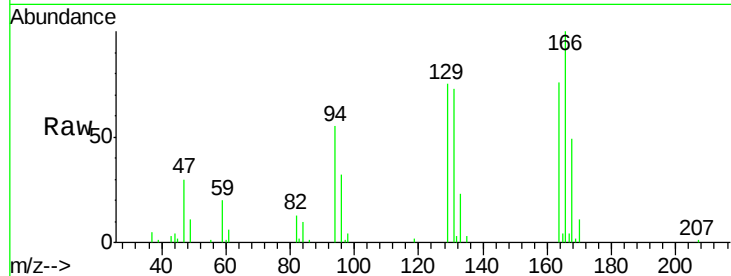
ClientSampled :

VSTDIC005

Tot Ion:	164	Resp:	18994
Ion	Ratio	Lower	Upper
164	100		
166	131.9	98.7	148.1
129	98.6	80.2	120.4
131	95.3	78.7	118.1

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#62

Toluene

Concen: 5.454 ug/l

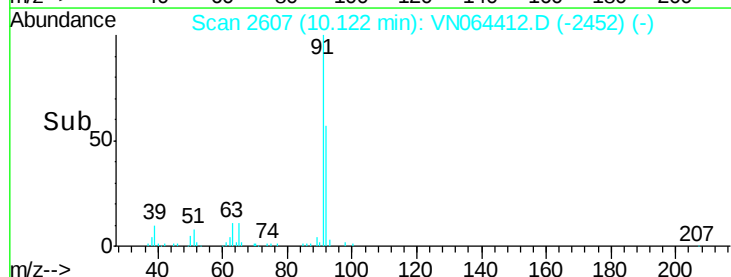
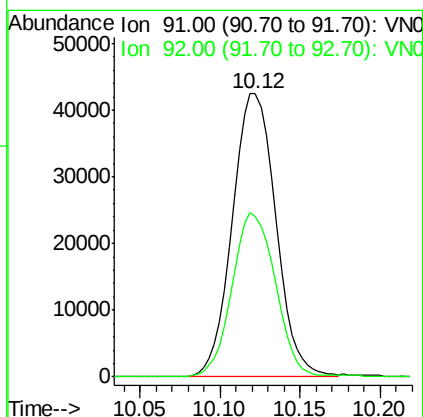
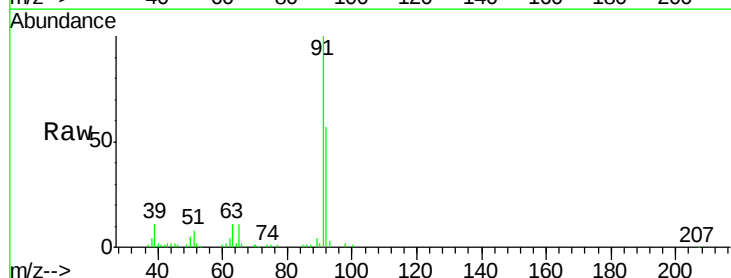
RT: 10.12 min Scan# 2607

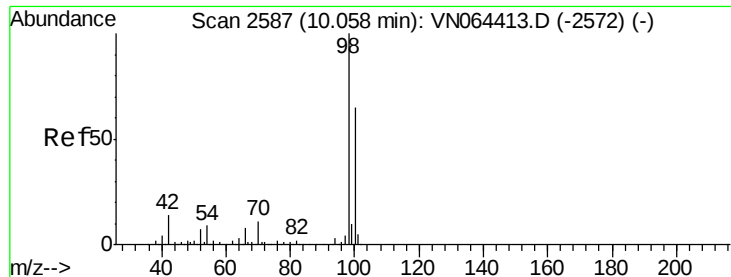
Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Tgt Ion:	91	Resp:	78946
Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.2	69.4





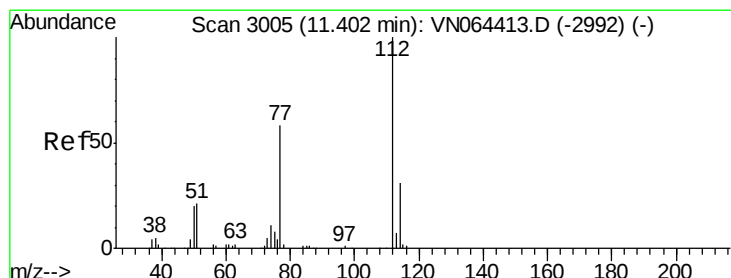
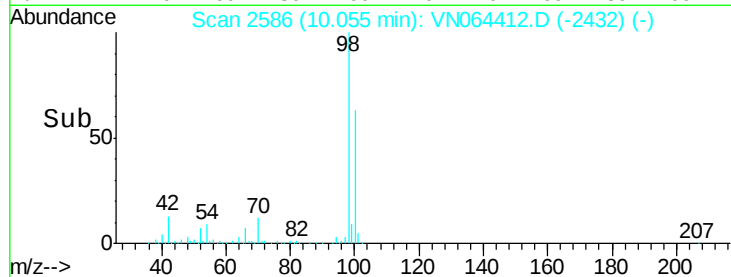
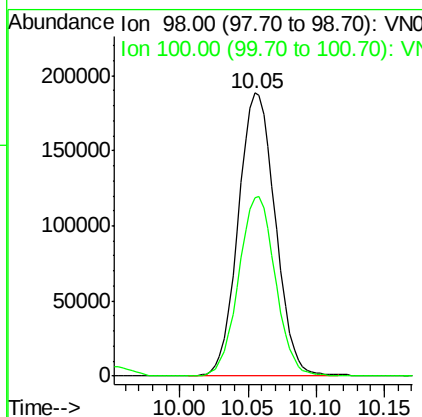
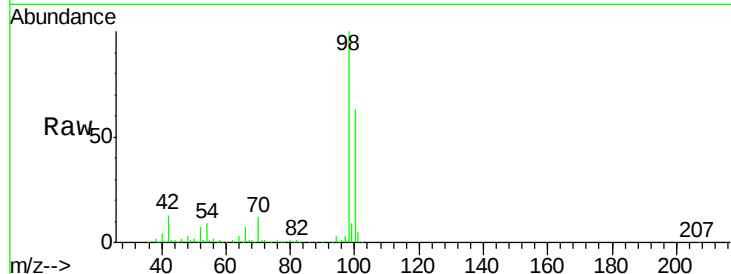
#63
Toluene-d8
Concen: 30.498 ug/l
RT: 10.05 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 355309
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9

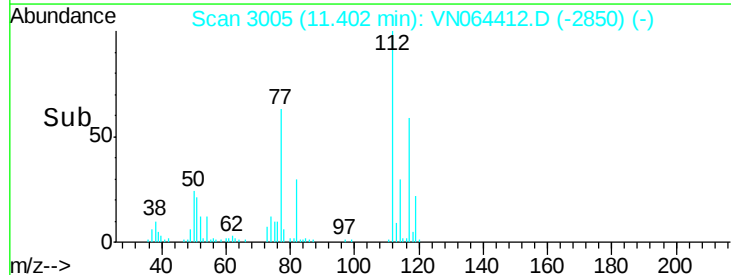
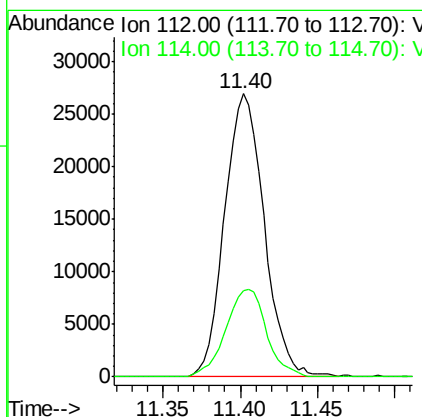
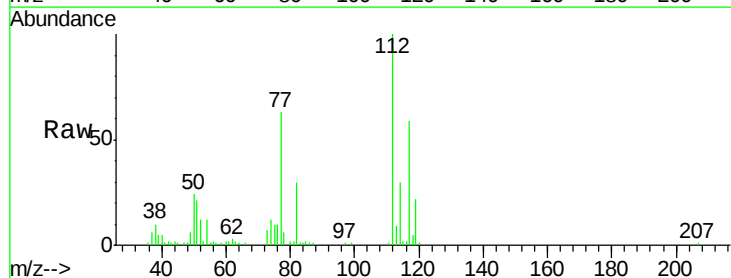
Manual Integrations
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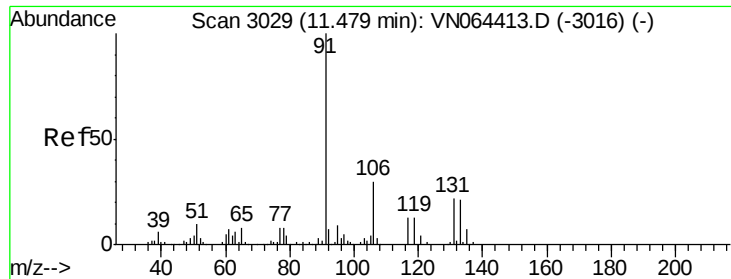
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#64
Chlorobenzene
Concen: 5.302 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion: 112 Resp: 47914
Ion Ratio Lower Upper
112 100
114 30.4 24.8 37.2





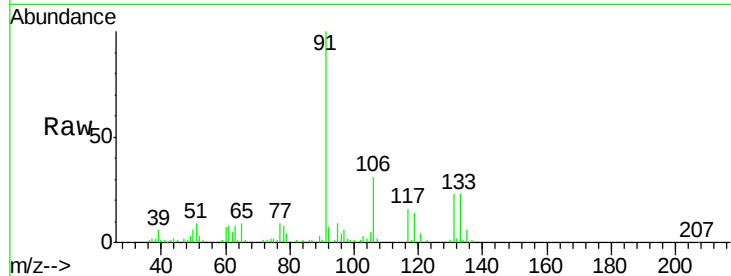
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.775 ug/l
 RT: 11.48 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

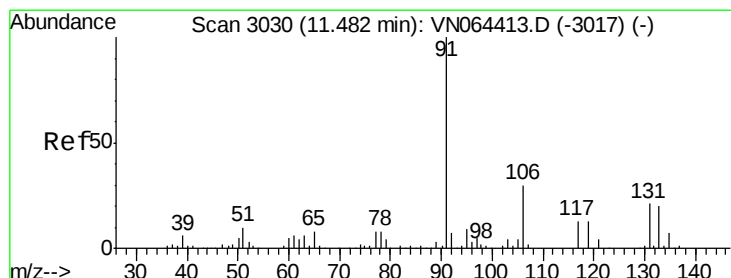
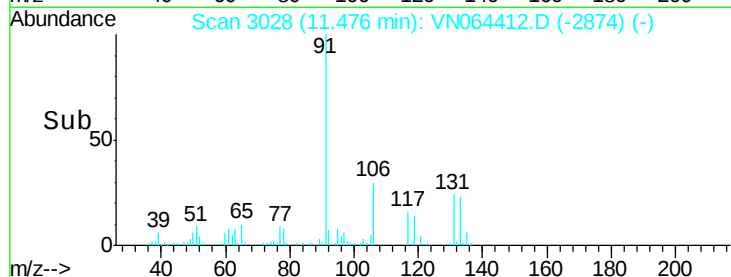
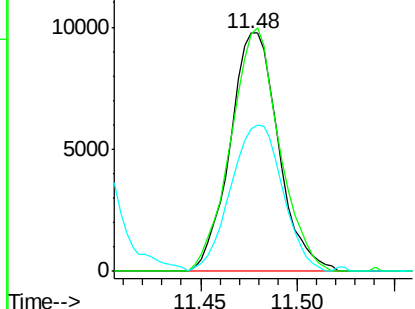
Tot Ion	Ratio	Lower	Upper
131	100		
133	101.9	0.0	191.2
119	65.7	0.0	125.6

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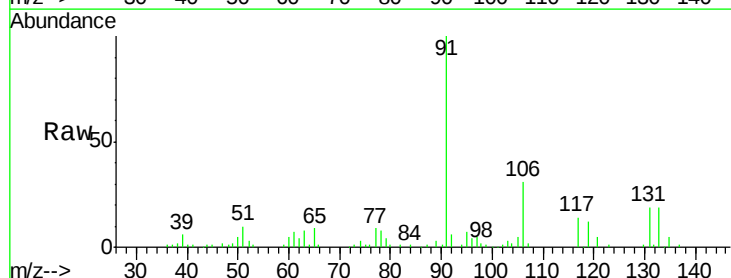


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

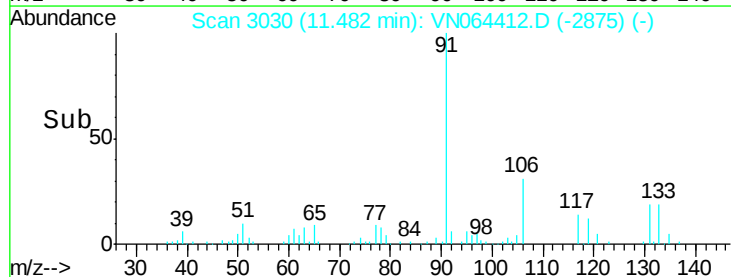
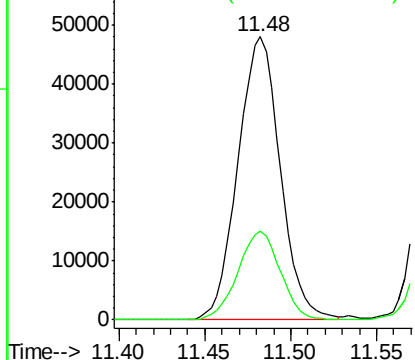


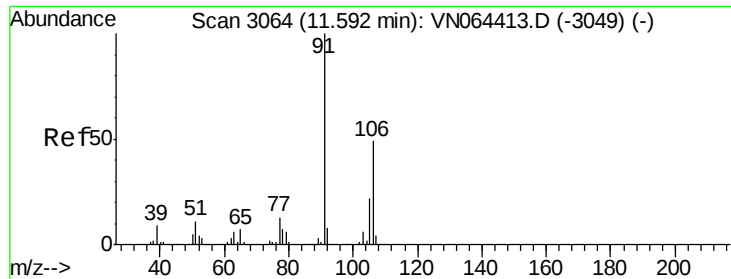
#66
 Ethyl Benzene
 Concen: 5.009 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	23.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 9.755 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 59165

Ion Ratio Lower Upper

106 100

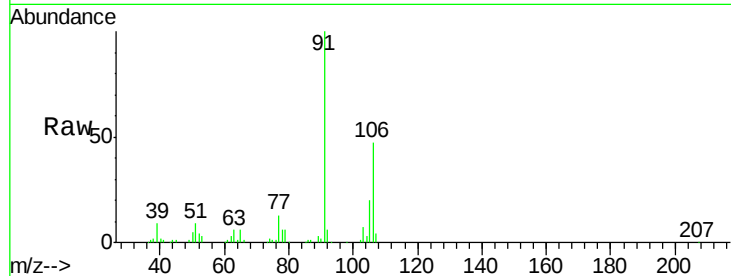
91 207.4 166.8 250.2

Manual Integrations

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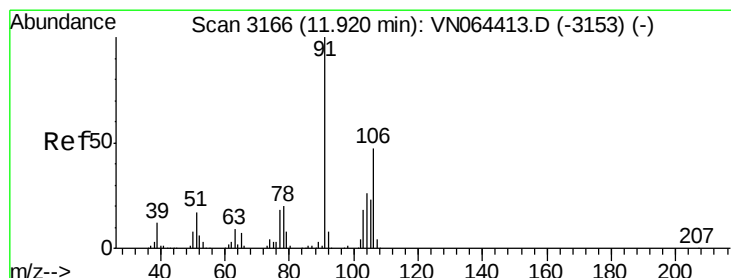
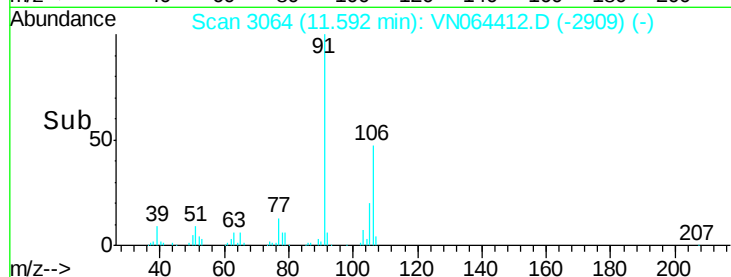
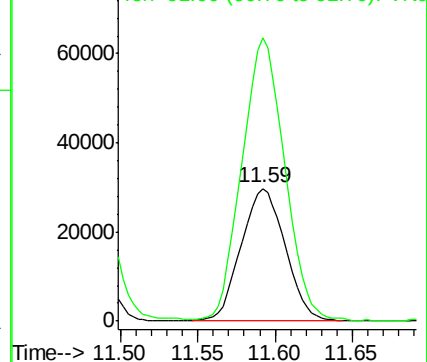
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.928 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064412.D

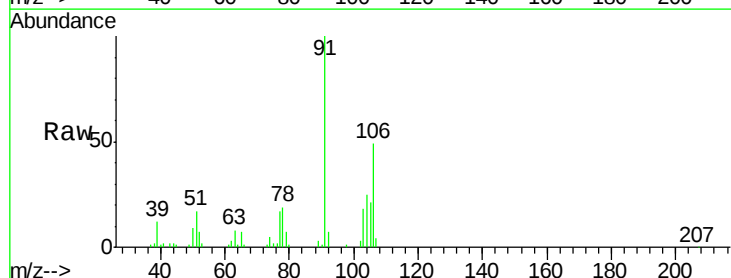
Acq: 2 Nov 2020 13:50

Tgt Ion:106 Resp: 29337

Ion Ratio Lower Upper

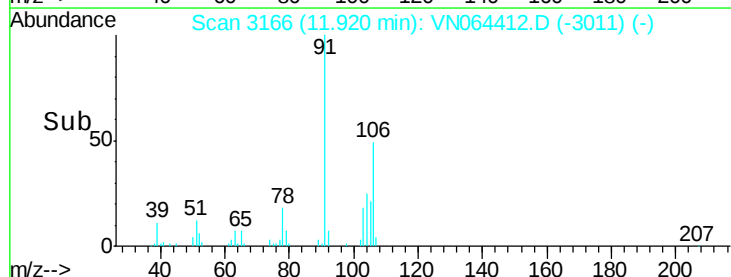
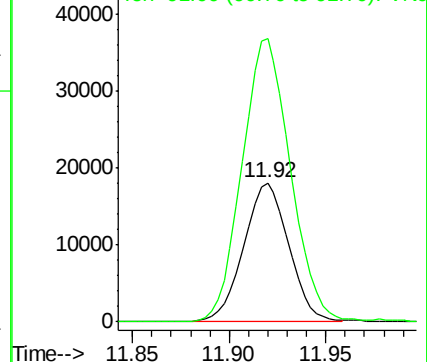
106 100

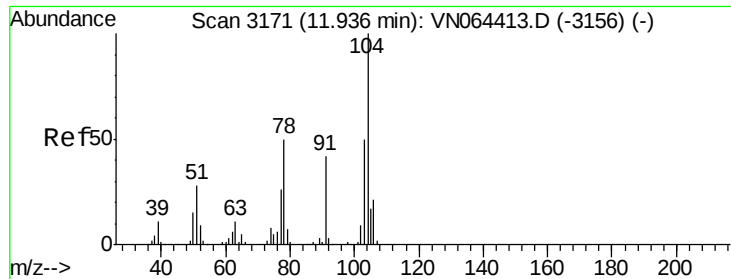
91 218.5 106.7 320.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





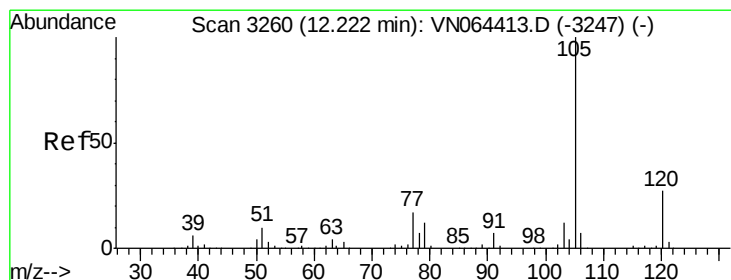
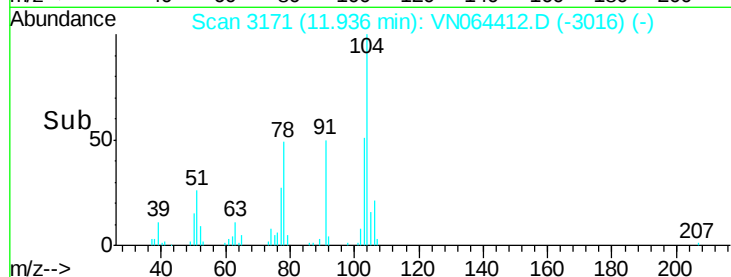
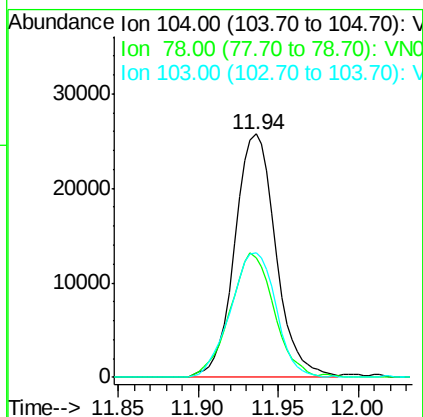
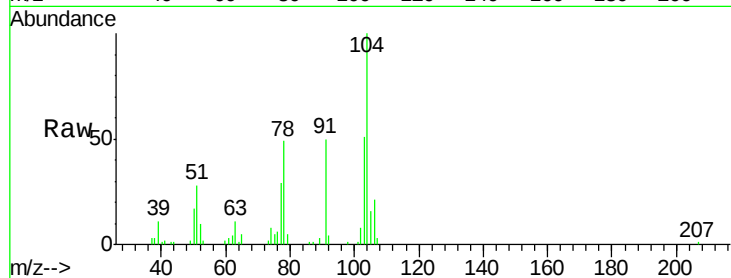
#69
Stvrene
Concen: 4.583 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.6	44.3	66.5
103	56.4	43.5	65.3

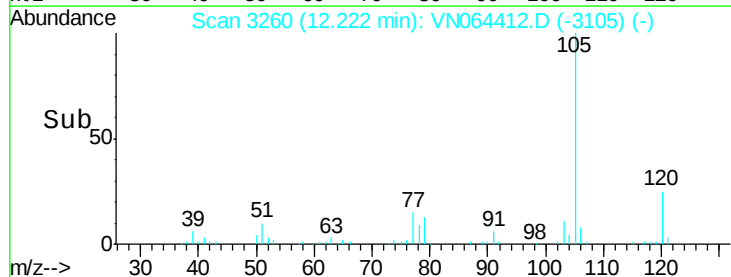
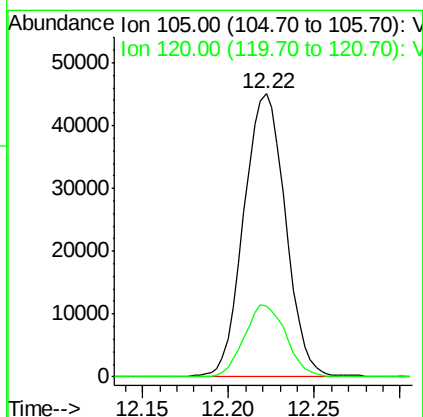
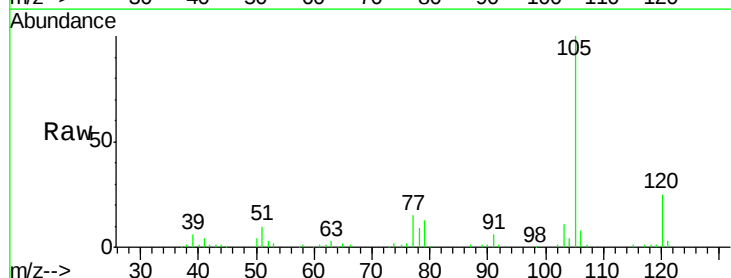
Manual Integrations
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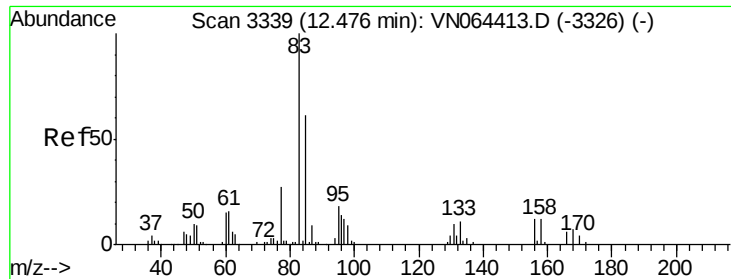
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#70
Isopropylbenzene
Concen: 4.857 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.0	33.4





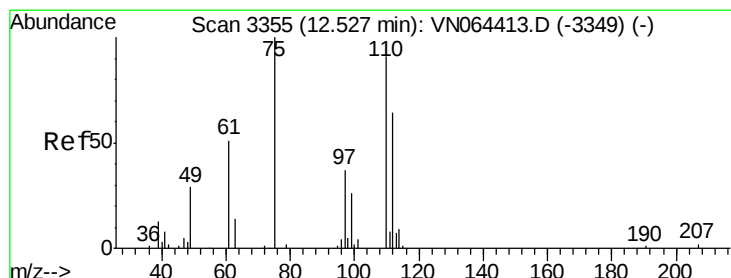
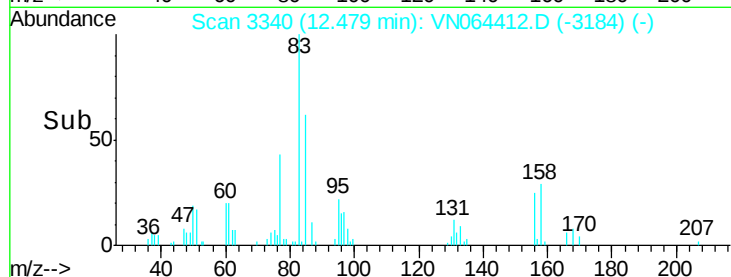
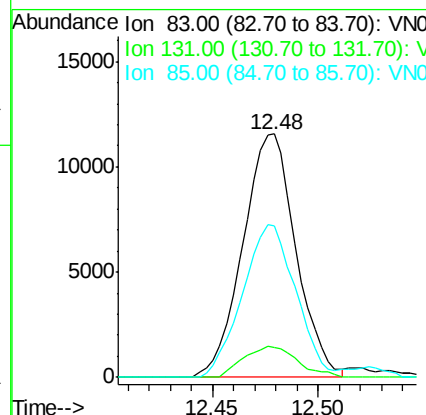
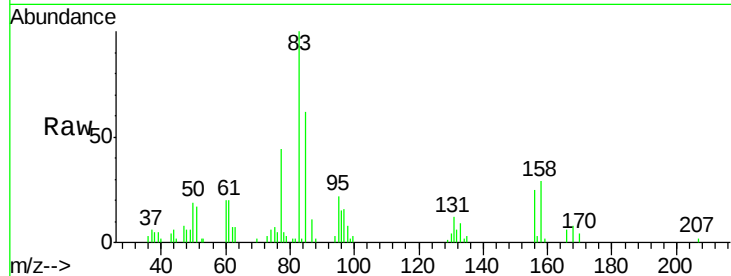
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.560 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	20173		
131	13.0	5.3	16.1	
85	63.1	30.9	92.7	

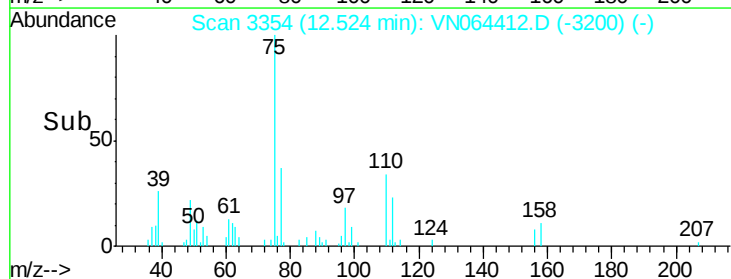
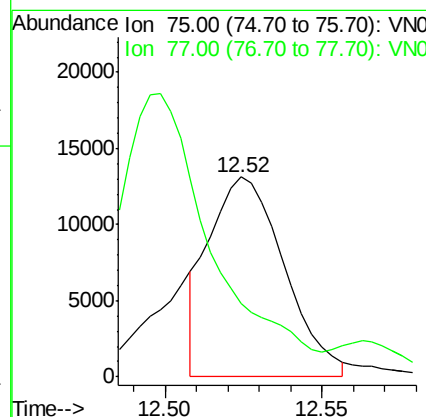
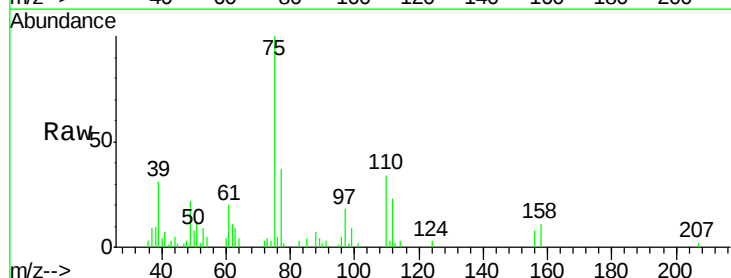
Manual Integrations
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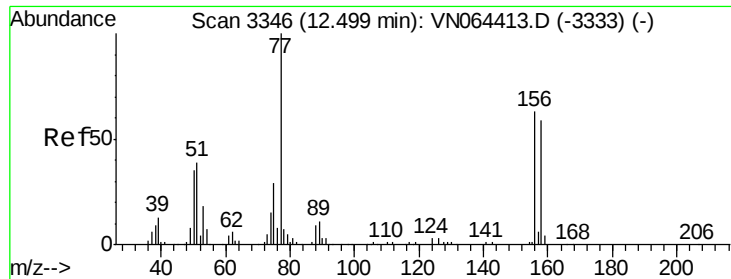
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#72
 1,2,3-Trichloropropane
 Concen: 4.748 ug/l m
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21743		
77	182.5	0.0	374.2	





#73

Bromobenzene

Concen: 4.736 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

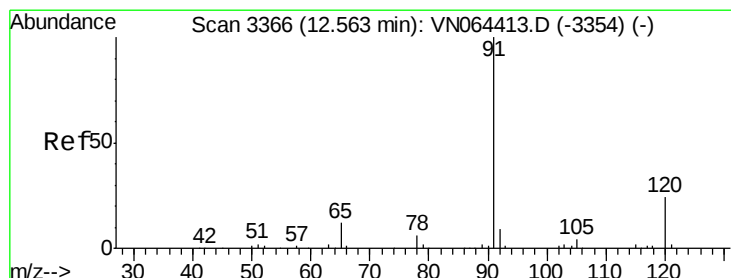
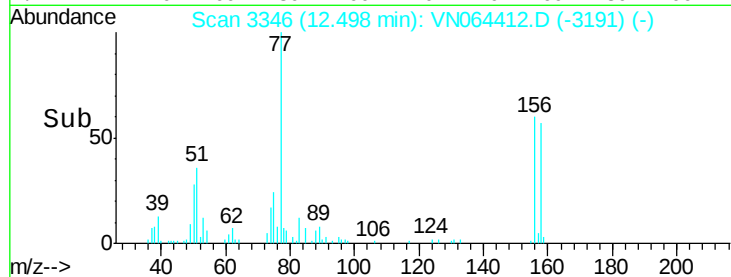
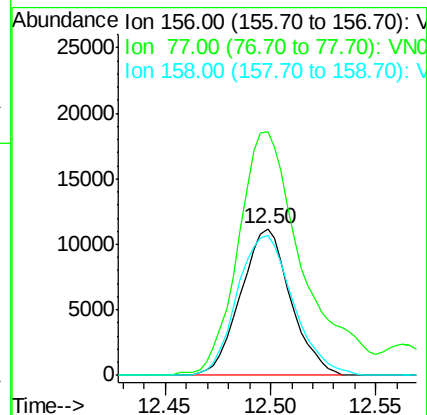
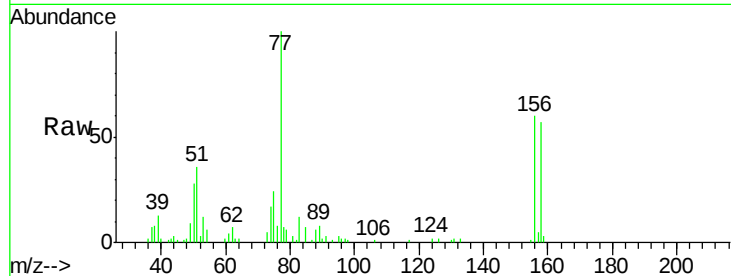
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.5	0.0	409.4
158	107.3	0.0	192.0

Manual Integrations
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#74

n-propylbenzene

Concen: 4.343 ug/l

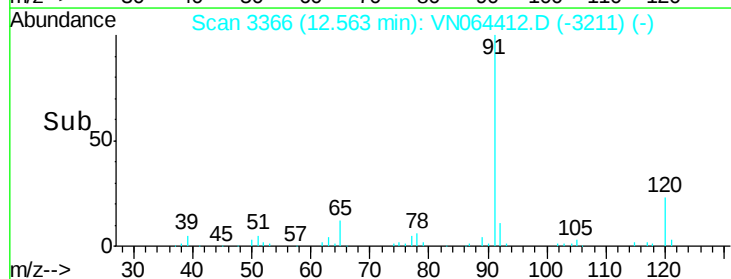
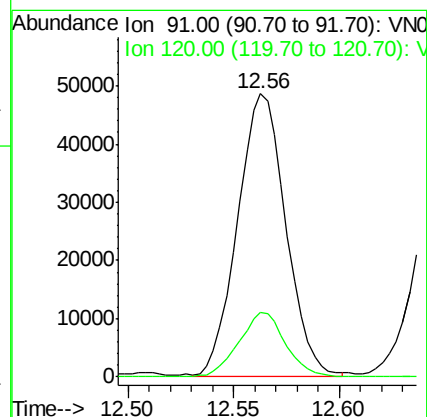
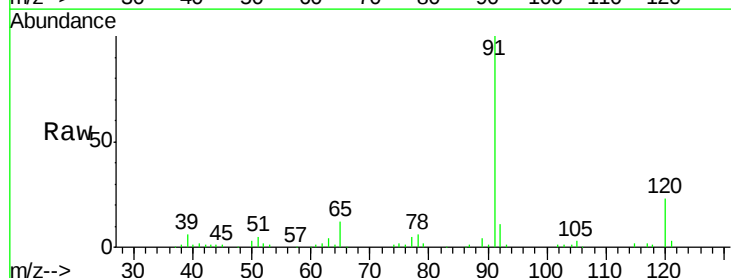
RT: 12.56 min Scan# 3366

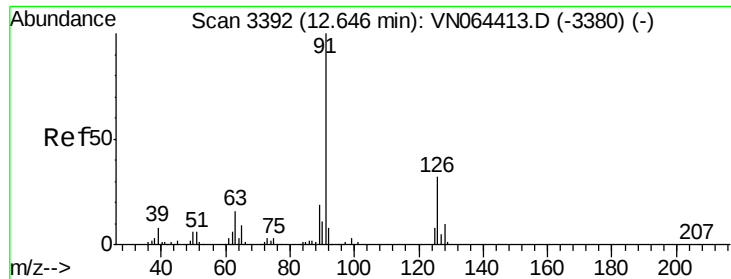
Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	47.4





#75

2-Chlorotoluene

Concen: 4.529 ug/l

RT: 12.64 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 49902

Ion Ratio Lower Upper

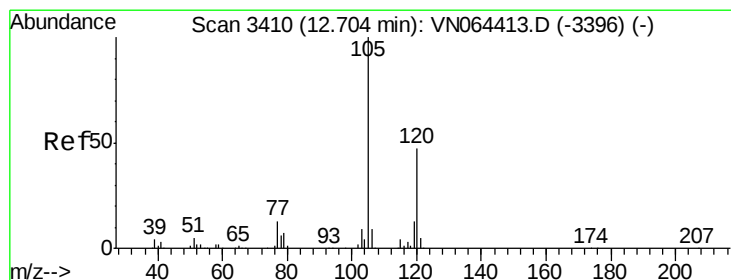
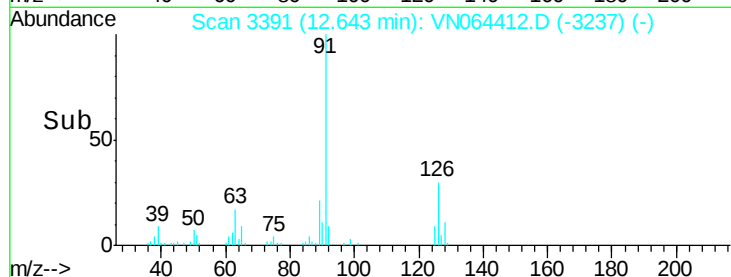
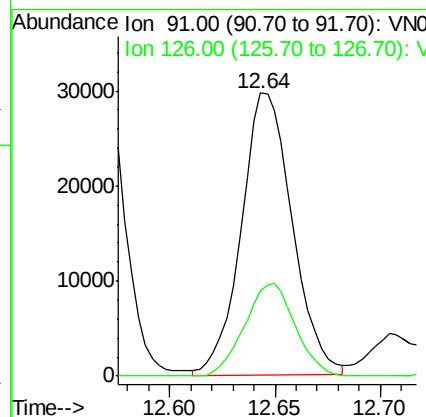
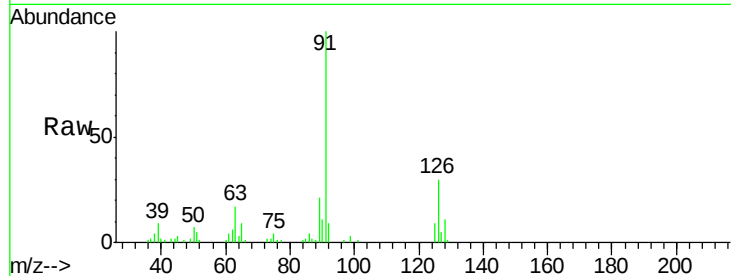
91 100

126 32.5 0.0 63.8

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#76

1,3,5-Trimethylbenzene

Concen: 4.578 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064412.D

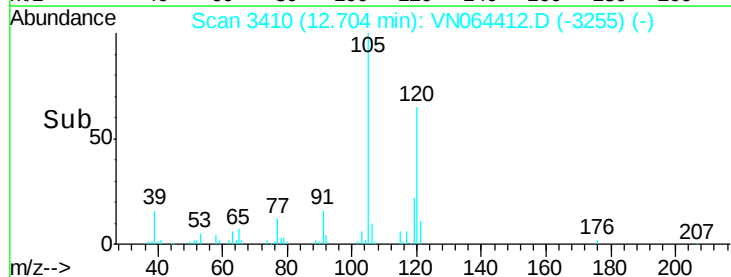
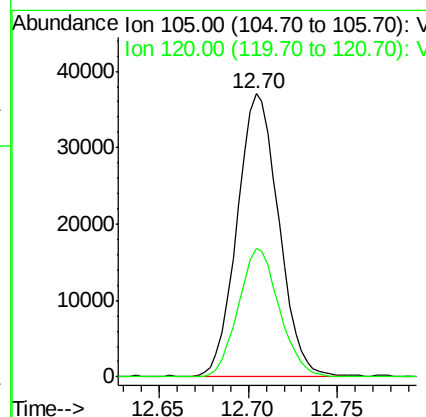
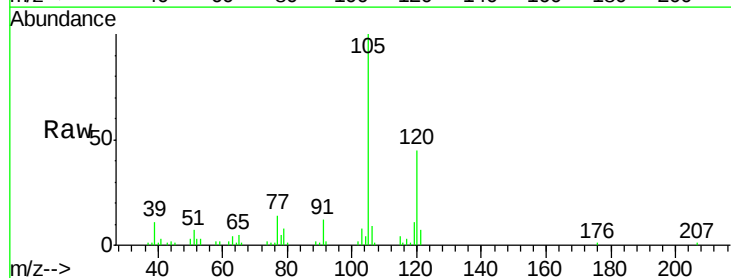
Acq: 2 Nov 2020 13:50

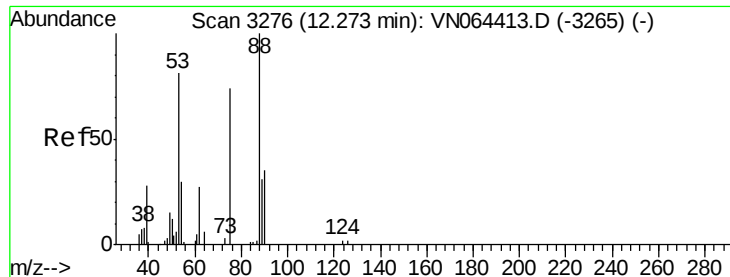
Tgt Ion: 105 Resp: 60254

Ion Ratio Lower Upper

105 100

120 44.5 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 3.466 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Instrument :

MSVOA_N

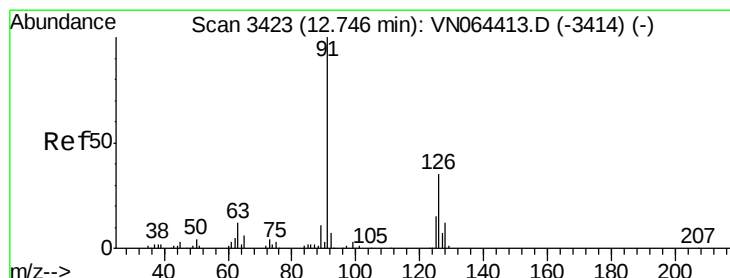
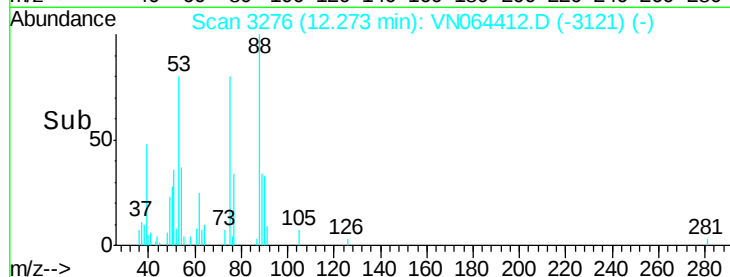
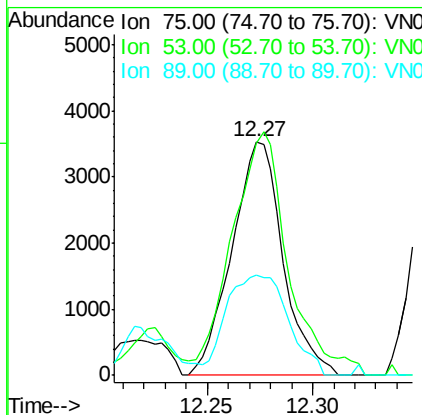
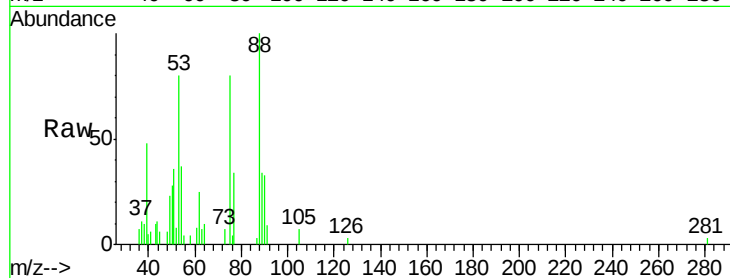
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5962
Ion	Ratio	Lower	Upper
75	100		
53	93.1	54.1	162.4
89	42.7	23.1	69.3

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#78

4-Chlorotoluene

Concen: 4.339 ug/l

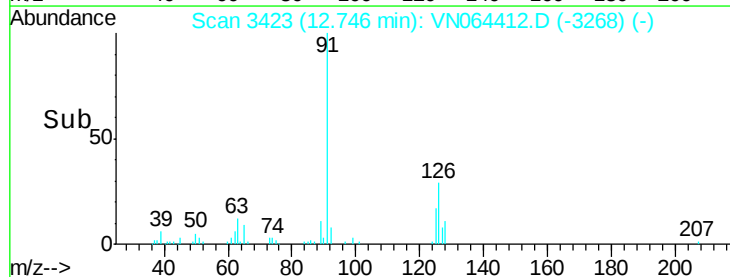
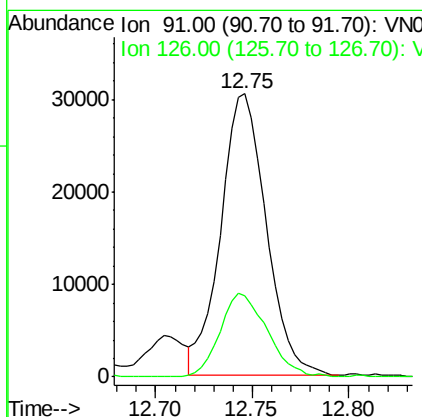
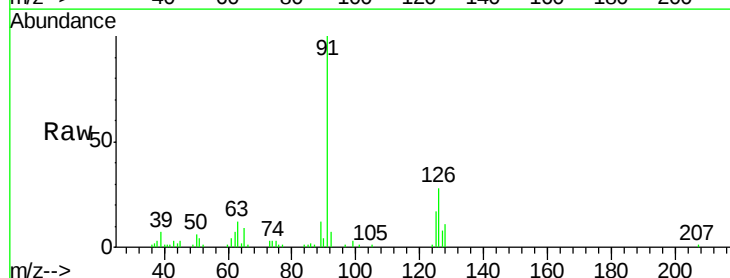
RT: 12.75 min Scan# 3423

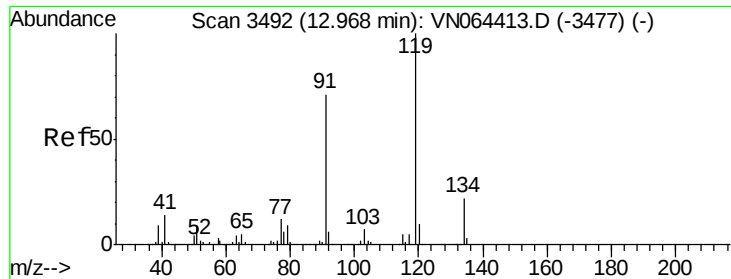
Delta R.T. -0.00 min

Lab File: VN064412.D

Acq: 2 Nov 2020 13:50

Tgt Ion:	91	Resp:	49897
Ion	Ratio	Lower	Upper
91	100		
126	30.7	0.0	63.2





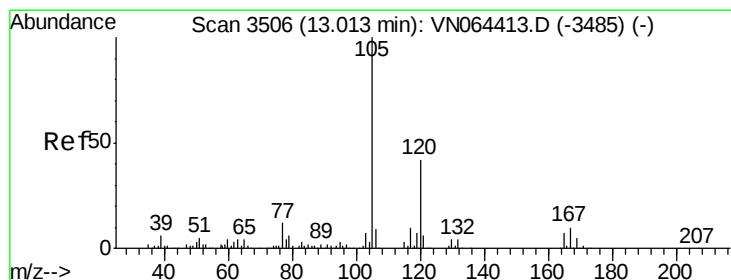
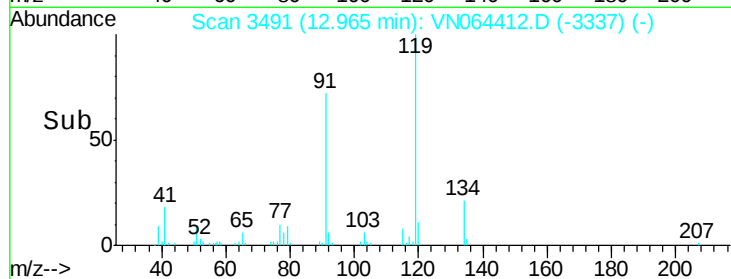
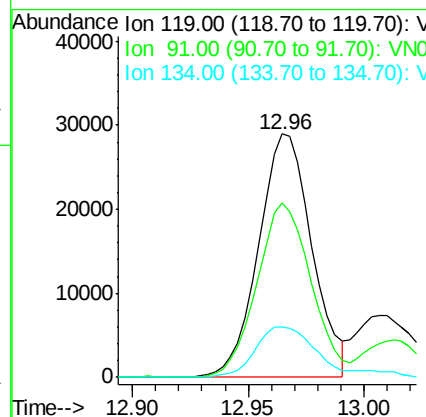
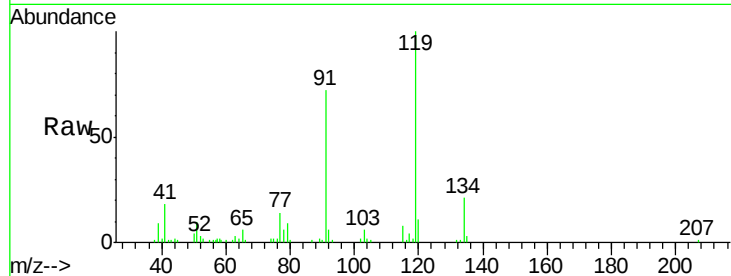
#79
tert-butylbenzene
Concen: 4.270 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	46435		
91	72.9		0.0	140.4
134	22.9		0.0	46.2

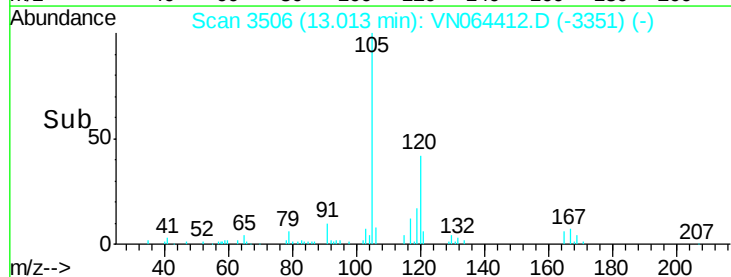
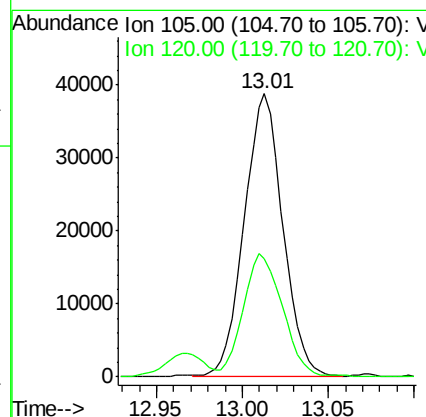
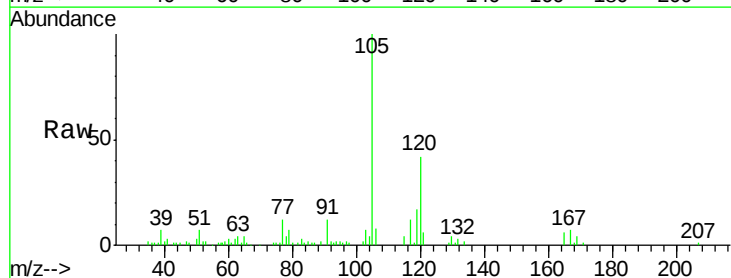
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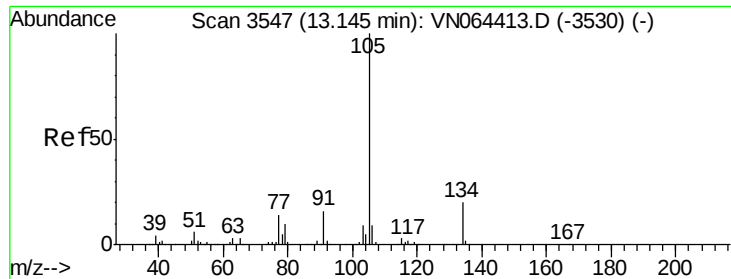
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.570 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	60764		
120	43.1		0.0	88.0





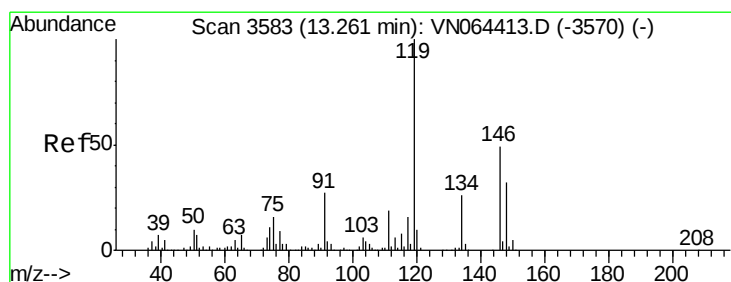
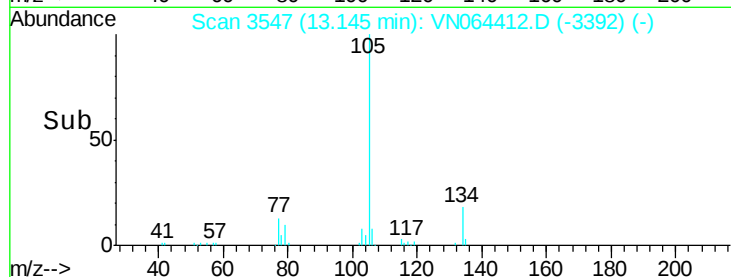
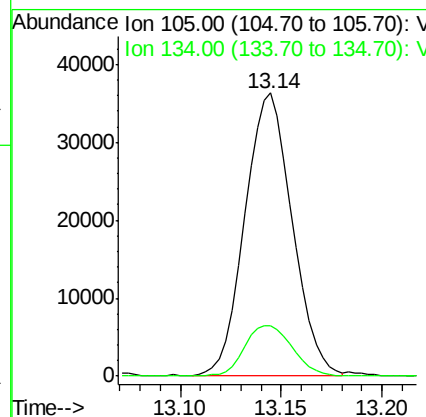
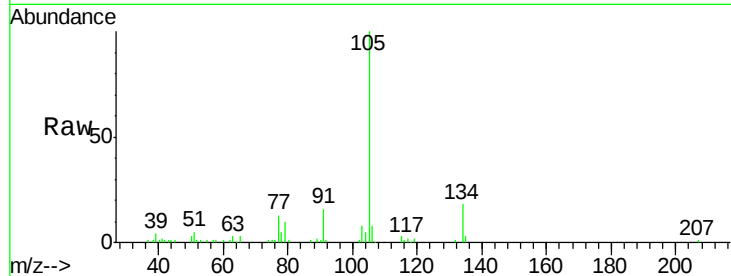
#81
 sec-Butylbenzene
 Concen: 4.270 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.0	0.0	39.2

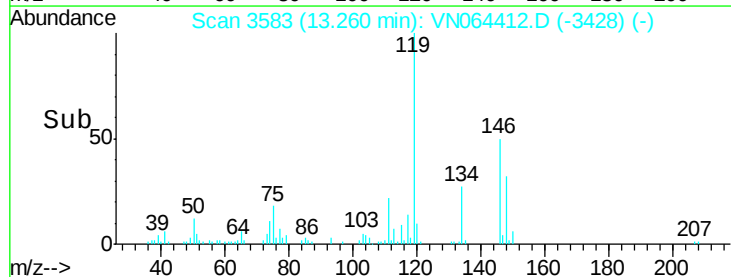
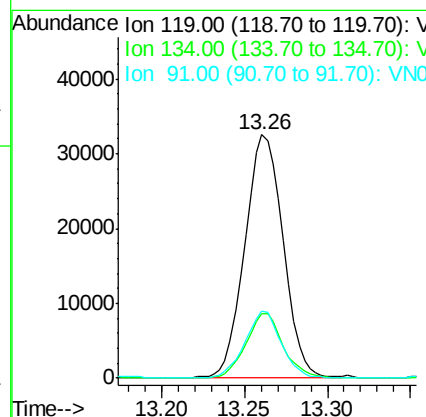
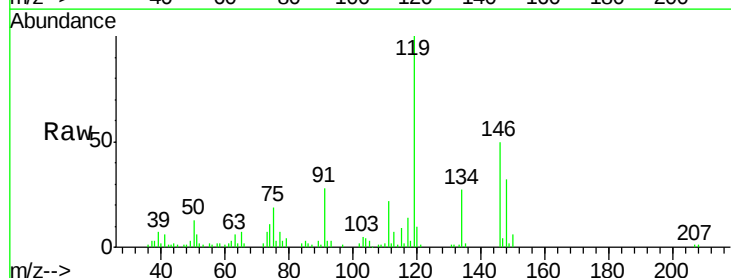
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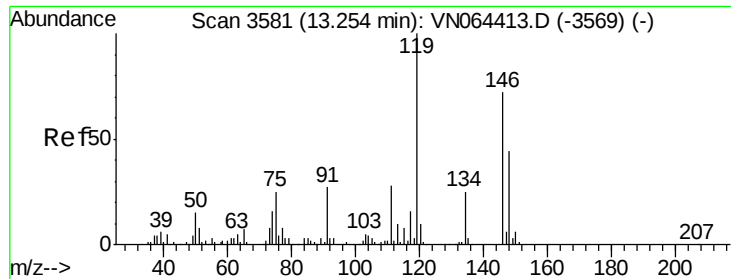
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#82
 p-Isopropyltoluene
 Concen: 4.085 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	51.0
91	26.0	0.0	51.4





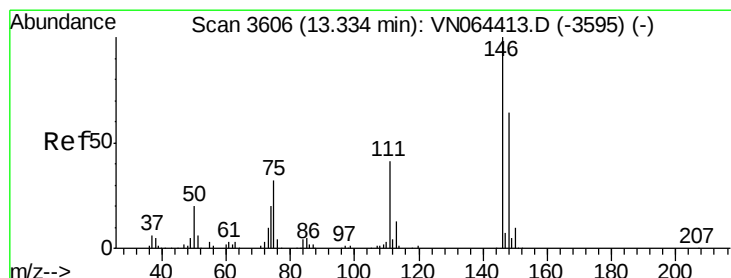
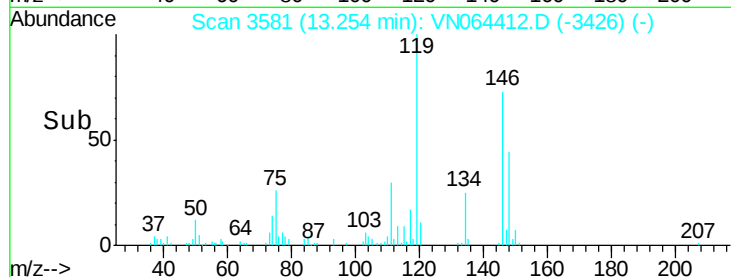
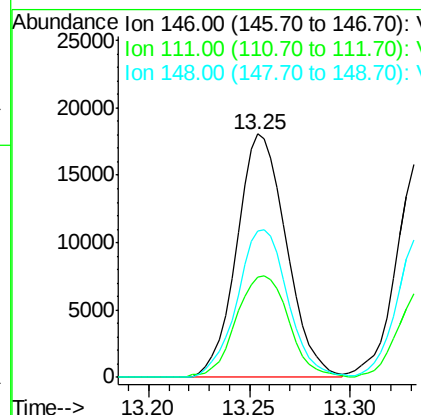
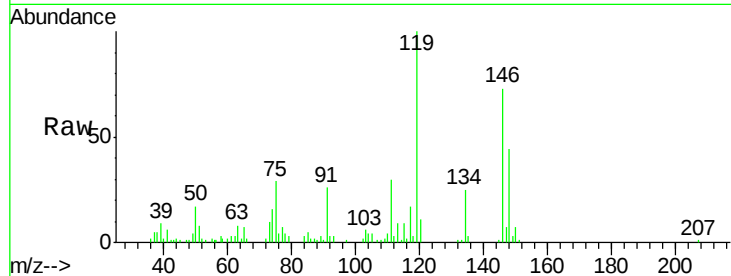
#83
 1,3-Dichlorobenzene
 Concen: 4.635 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.5	61.6
148	61.8	31.9	95.5

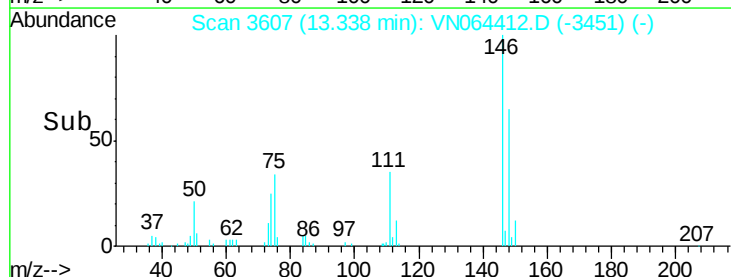
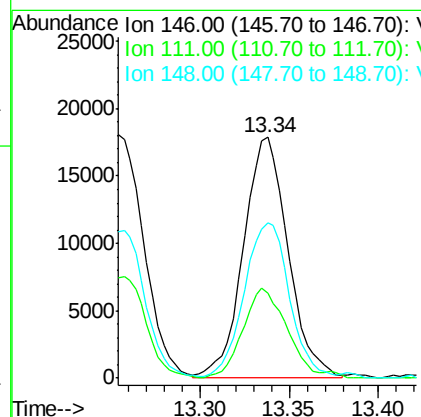
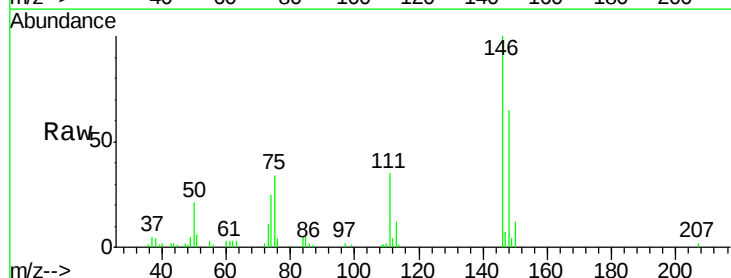
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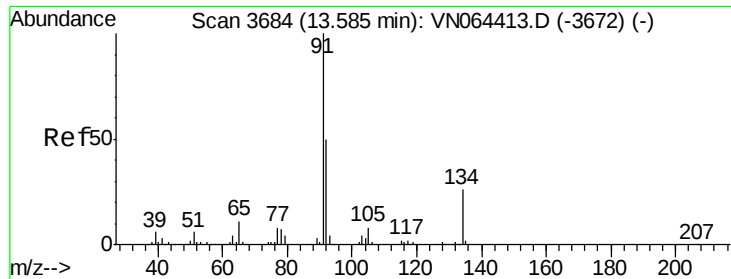
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#84
 1,4-Dichlorobenzene
 Concen: 4.622 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	19.9	59.6
148	65.5	31.9	95.5





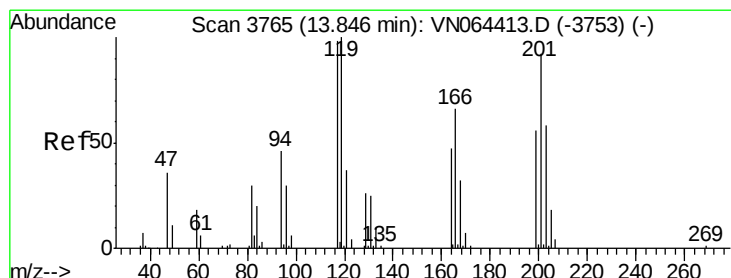
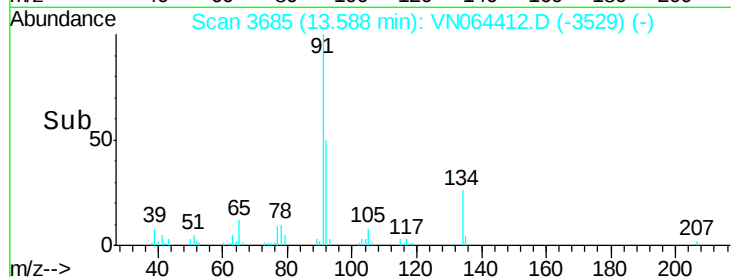
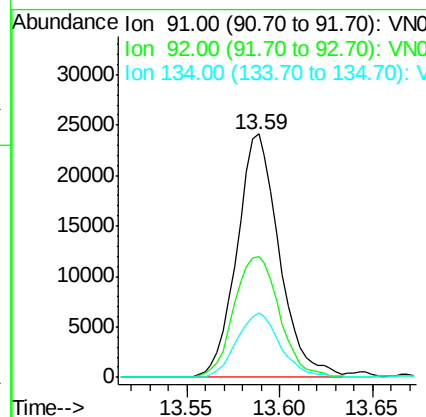
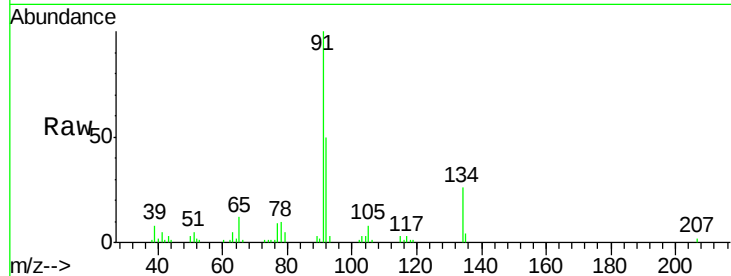
#85
n-Butylbenzene
Concen: 3.442 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	38218		
92	53.3		0.0	99.4
134	27.0		0.0	50.0

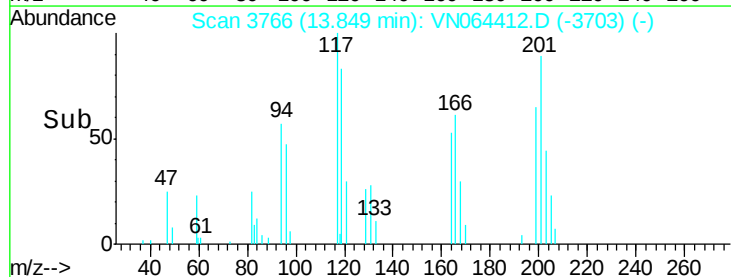
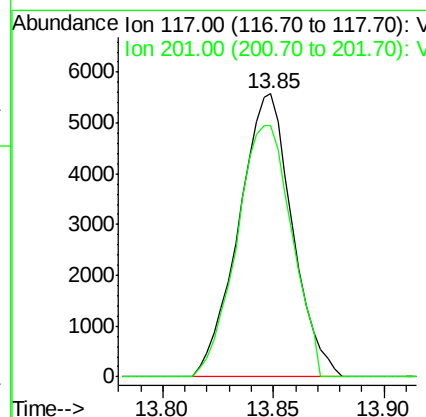
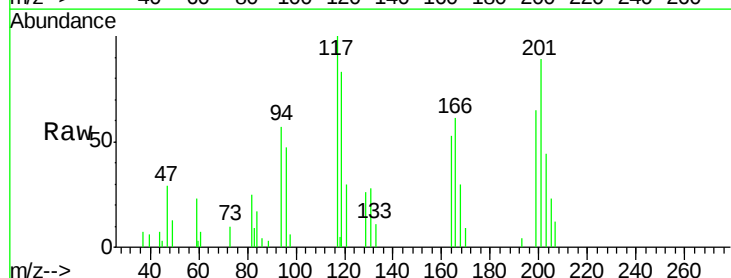
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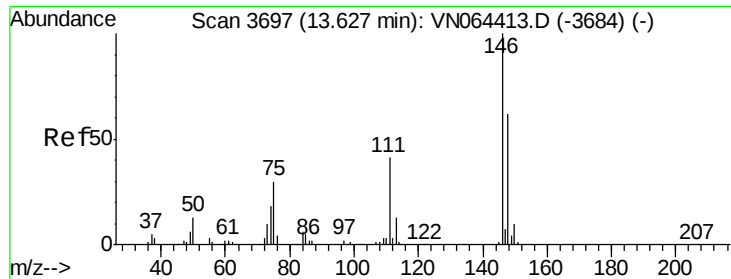
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#86
Hexachloroethane
Concen: 3.959 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	9419		
201	91.4		42.7	128.1





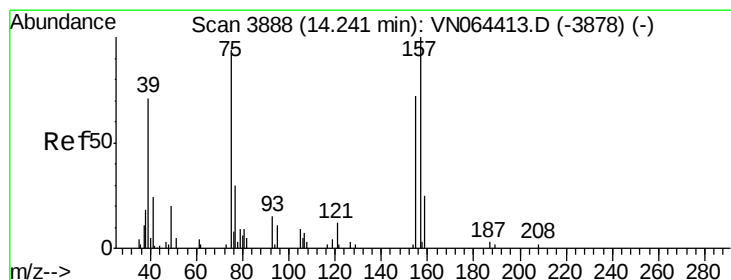
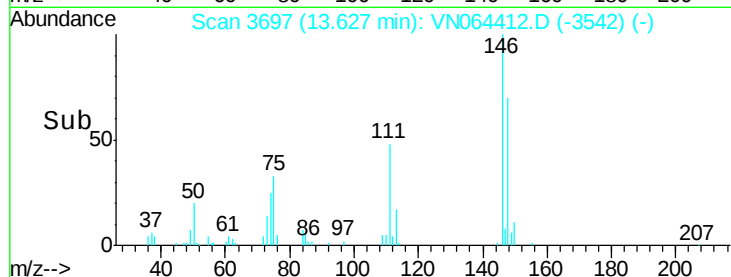
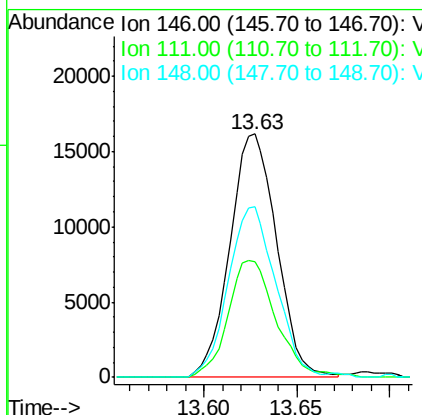
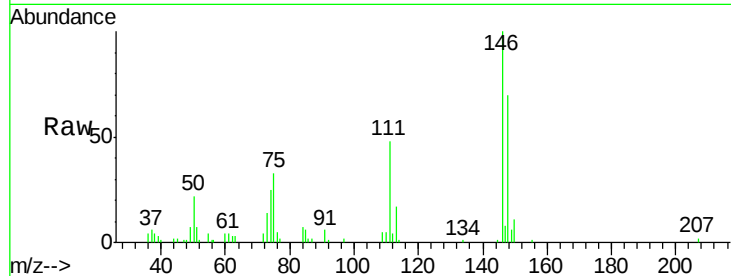
#87
 1,2-Dichlorobenzene
 Concen: 4.279 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	21.3	64.0
148	71.1	31.7	95.1

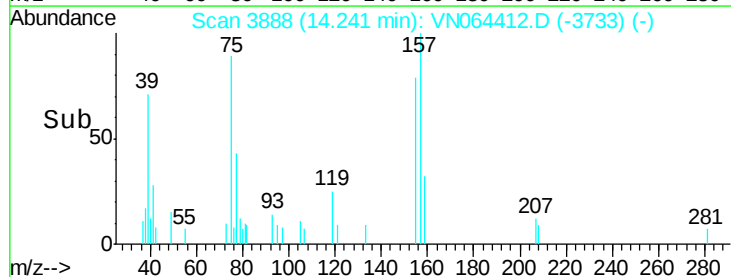
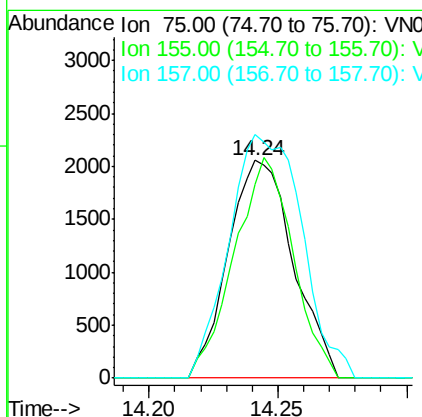
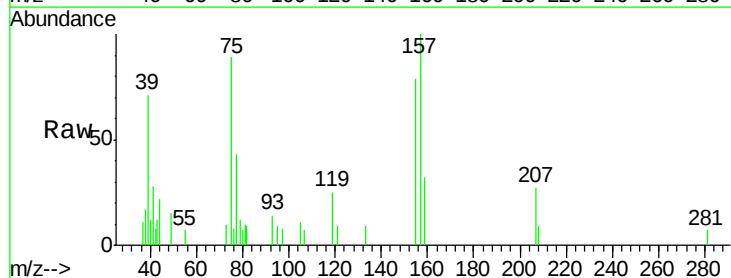
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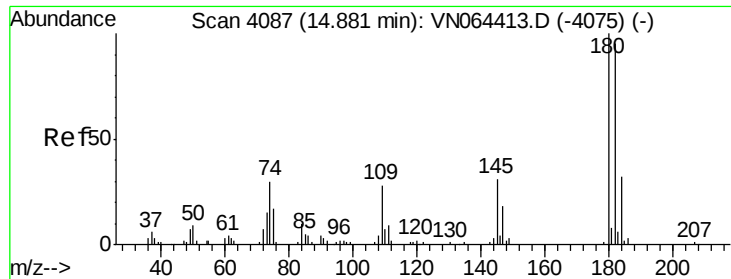
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.335 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064412.D
 Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	66.2	99.2
157	125.2	82.7	124.1#





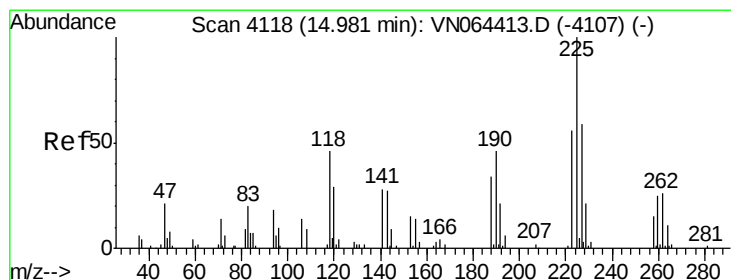
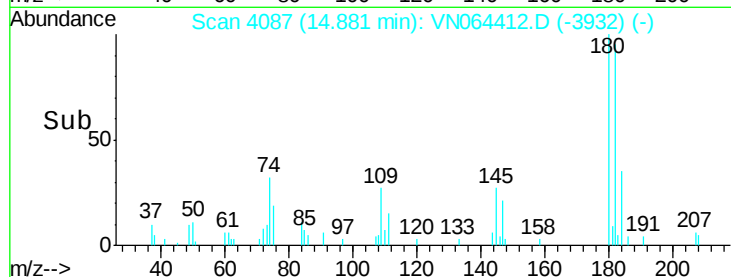
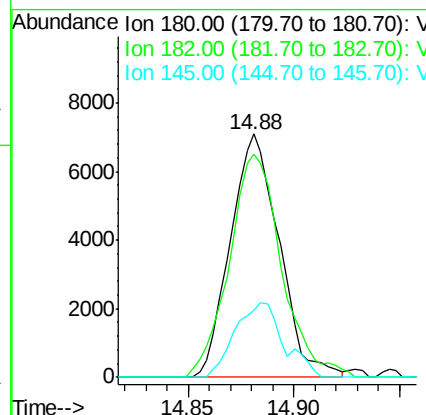
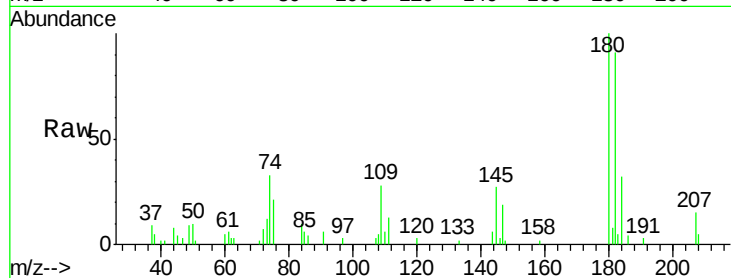
#89
1,2,4-Trichlorobenzene
Concen: 3.125 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	72.6	108.8
145	26.9	24.3	36.5

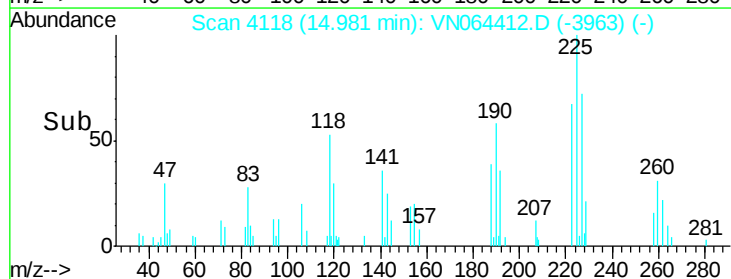
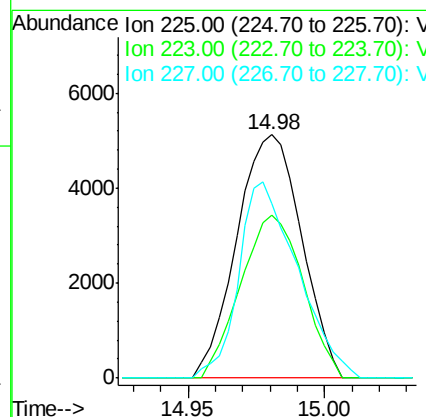
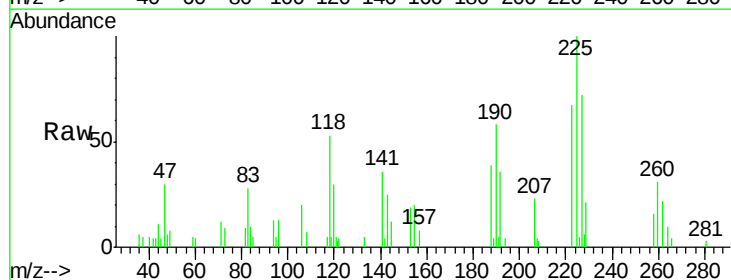
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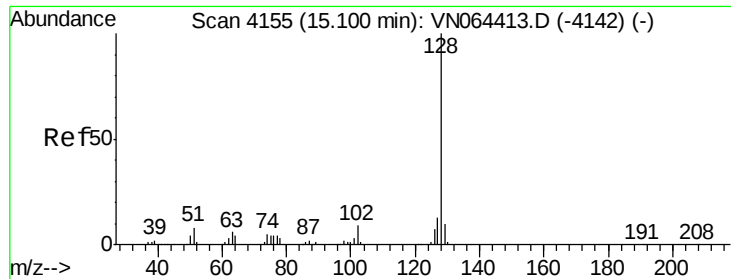
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#90
Hexachlorobutadiene
Concen: 4.295 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	0.0	125.6
227	73.2	0.0	121.6





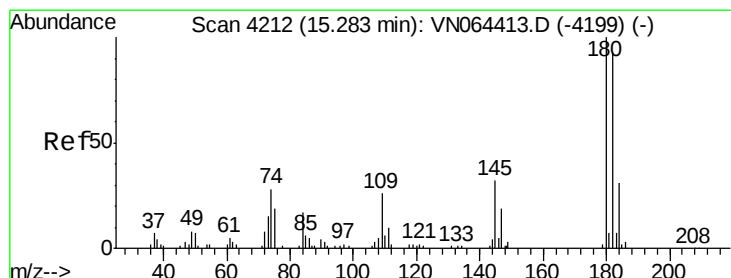
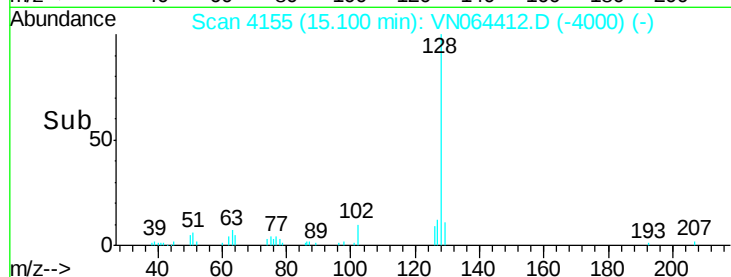
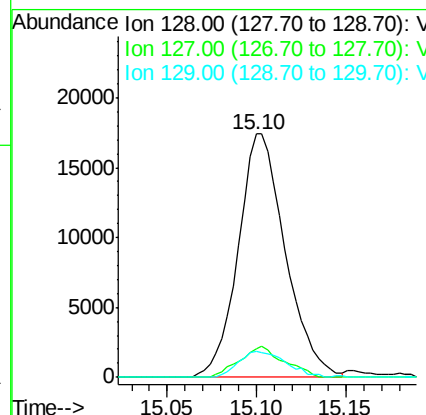
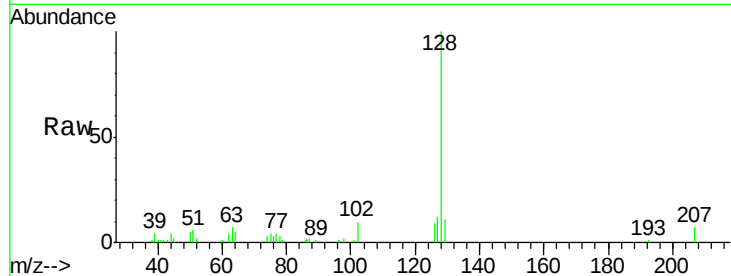
#91
Naphthalene
Concen: 2.963 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:41 PM



#92
1,2,3-Trichlorobenzene
Concen: 3.644 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064412.D
Acq: 2 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.6	0.0	191.4
145	30.9	0.0	64.8

